CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Sewage treatment plant, New York, N. Y., Bd. Estimate and Apportionment authorized, $28,500,000.

Industrial museum, Chicago, Ill., South Park Comrs. having plans prepared, $5,000,000.

Hotel, St. Louis, Mo., Syndicate, c/o H. R. Weisels Co., Inc., making preliminary plans, $5,000,000.

Office, Winston-Salem, N. C., R. J. Reynolds Tobacco Co. havnig plans prepared, $4,000,000.

Warehouse, Chicago, Ill., McConnell Warehouse Co. plans, $3,000,000.

Dredging, Texas, U. S. Engineers Office, Galveston, plans, $2,668,100.

Sewers, Oklahoma City, Okla., voted bonds, $2,674,000.

Bridge, Cairo, Ill., Cairo & Kentucky Bridge Co. takes bids early in 1928, $2,500,000.

Docks, East Chicago, Ind., W. G. Hogan, Indianapolis, having preliminary plans prepared, $2,000,000.

Office, New York, N. Y., Realty Trust Co., having plans prepared, $1,750,000.

High school, Oklahoma City, Okla., voted bonds, $1,700,000.

College, Hamilton, Ont., McMaster University Board having plans prepared, $1,500,000.

Apartment, New York, N. Y., Ellbar Realty Corp. plans, $1,200,000.

Lighting system, Oakland, Calif., City plans, $1,000,000 or more.

Waterworks, Evansville, Ind., takes bids about Dec. 10, $1,000,000.

Theatre, store and office, Worcester, Mass., Keith-Albee Exchange, New York City, having plans prepared, $1,000,000 or more.

Depot, Des Moines, Ia., Chicago, Rock Island & Pacific R.R. Co., having preliminary plans prepared, $1,000,000.

Apartment, St. Louis, Mo., J. R. Fleming purchased site, and plant, $1,000,000.

Bids Desired

Schools, Milwaukee, Wis., Dec. 22, by Bd. School Directors, $1,250,000.

Bids Received

Subway, Long Island City, N. Y., Bd., Transportation from Atwell, Gustin & Morris Co., New York City, $5,198,000.

Bridge, Cincinnati, O., G. F. Schlesinger, Columbus, from Folwell Ahlskog Co., Chicago, Ill., $1,851,829.

Contracts Awarded

Apartments, New York City, N. Y., Corporation, c/o J. H. Barr, pres., owner and contractor, will build, $2,500,000.

High school, Cleveland, Ohio, Bd. Educ. to W. G. Schirmer Co., $1,294,907.

Store and dance hall, New York, N. Y., Bway. Block Corp. to Cunningham & Foley. Archts. est. $1,100,000.

Loft and stores, New York, N. Y., Two Hundred Twenty-Nine East 79th Street Corp. will build by separate contracts, $1,000,000.

Office, Toronto, Ont., Yolles & Rotenberg will build by day labor. Archts. est. $1,000,000.

Apartment, New York, N. Y., I. Polstein & Son will build by separate contracts, to exceed $1,000,000.

Apartments, New York, N. Y., Corporation, c/o B. Noonan, will build by separate contracts, $1,000,000.

News of the Week

Waterworks

Proposed Work

N. J., Mount Ephraim—See "Sewers."

Mich., Detroit—Dept. Water Supply made plans Sect. 5 water supply tunnel, 6,500 ft. 14 ft. diam. monolithic concrete cylinder, supplying water works station west side city. G. H. Fenkell, 176 East Jefferson Ave., engr.

Mich., Royal Oak (Ind. br. Detroit) — Making plans 1 story, brick and steel building for water works booster station, incl. electrically operated centrifugal booster pump, in connection with Detroit water supply. $20,000. Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Ia., Audubon—Making preliminary plans water purification plant, etc. $35,000.

Ia., Carlisle—Making preliminary plans complete waterworks. $27,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Ia., Webster City—See "Dam."

Kan., Cunningham—Making preliminary plans waterworks and distributing system. $50,000. F. E. Devlin, 614 Bitting Bldg., Wichita, engr.

Kan., Iola—Making surveys and plans new dam over Neosho River, also water softening and filtration plant, etc. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, Mo., engrs.

Mo., Hamilton—Defeated $30,000 bonds, extending mains and new pumping unit. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, engrs. Noted Oct. 13.

Tex., Big Lake—City, c/o J. M. Moore, mayor, making plans extending waterworks and softening plant, also new sewerage system and disposal plant. $50,000. Koch & Fowler, 801 Central Bank Bldg., Dallas, engrs. Noted Apr. 28.

Tex., Brownsville—Delta Development Co., c/o E. C. Couch, Weslaco, making plans and soon takes bids waterworks, incl. distributing system, wells and pumping unit, here. $30,000. Private plans.

Tex., Dickinson — Dickinson Ice & Fuel Co. plans 50,000 gal. tank on 100 ft. tower, 6 in. distributing system, etc. Will probably purchase materials and build by day labor. $15,500. Private plans.

Tex., Frankston—City, c/o M. E. Cook, mayor, making plans complete waterworks, sewerage system and disposal plant. $75,000. Koch & Fowler, 801 Central Bank Bldg., Dallas, engrs.

Okla., Fairfax—Defeated $15,000 bonds, extending mains in Donelson Addition. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Sept. 1.

Okla., Oklahoma City—Voted $900,000 bonds, 42,000 ft. 54 in. c.i. conduit from lake to here; and $100,000 bonds, extending mains in various streets. B. M. Hart, City Hall, engr. Noted Sept. 15.

Okla., Vinita—Making preliminary plans new basins, enlarge filter plant. $30,000. Engineer not selected.

Nev., Winnemucca—Plans waterworks. To exceed $25,000.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

California—Monte Vista Co. Water Dist., Ontario, making plans water supply serving territory between Ontario, San Bernardino Co. and Pomona, Los Angeles Co. J. E. Sellers, San Fernando Bldg., Los Angeles, engr.

Calif., Los Angeles—See "Dams."

Calif., San Bernardino—San Bernardino Co. Water Works Dist. 2, making plans pipe lines, reservoirs, etc., here. $160,000 bond election soon for same. J. E. Sellers, San Fernando Bldg., Los Angeles, engr.

Calif., Tracy—Plans additional reservoir or sump with 300,000 gal. capacity, fire hydrants, drilling new well, also 100,000 gal. steel standpipe, etc., in connection with waterworks. E. T. Bartlett, Amer. Bank Bldg., engr.

Ont., Merritton—Making plans extending 2 mi. 6 and 8 in. c.i. mains, vaives and hydrants in Mount Pleasant section, also 8 in. mains, and branches into district beyond Old Welland Canal. $30,000. E. H. Darling, 72 James St. N., Hamilton, engr.

Bids Desired

Mass., Woburn — See "Contracts Awarded."

N. Y., St. George — Dec. 20, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Ocean Terrace, Little Clove Rd., Targee St., Seaside, Slater and Victory Blvds., McLean, Ontario and Sea Aves., here.

O., Cleveland — Dec. 21, by Bd. Comrs. Cuyahoga Co., 5,300 ft. 12 in. main in Broadview Rd. F. Williams, Court House, engr.

Wis., Milwaukee—Dec. 22, by Dept. Pub. Wks., R. E. Stoelting, comr., suction, discharge, and miscellaneous piping for turbo centrifugal pump 5 at Riverside Pumping Station. $8,000.

Tex., Boerne—Dec. 23, by City Comrs., R. L. Hickman, mayor, constructing waterworks, incl. water well, distributing system, pumping unit, etc. $60,000. Terrell Bartlett Engineers, Inc., 612 Calcasieu Bldg., San Antonio, engrs.

Calif., Artesia — Barco Investment Co., 602 Builders Exch. Bldg., Los Angeles, taking bids pumping plant and pressure water system for 60 acre sub-division, approximately 7,000 ft. 3 and 4 in. steel pipe, pumping plant, pressure tank, etc.

Calif., Compton—Jan. 3, by M. Beatty, clk. Los Angeles Co., waterworks in Willowbrook Tract, Dist. 10, near here, incl. pump house, etc.

Contracts Awarded

Mass., Woburn—Dept. Pub. Wks., Boston, will lay 12 in. water mains Webster St. $15,000. Private plans. Noted Dec. 8.

N. Y., Bethlehem (mail Glenmont)—Bd. Water Comrs., Water Dist. 1, Firemen's Hall, Delmar, installing water supply system, here, to Keyport Constr. Co., Keyport, N. J. Noted Nov. 10.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Avenues J, N, R, V, X, Y and Z, etc., here, to Paladino Contg. Co., 13th Ave. and 59th St., $17,945. Noted Nov. 24.

See proposal advertising on page 120

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TRADE "LEADITE" MARK

Registered U. S. Pat. Office

Waterworks engineers and superintendents prefer to use Leadite for joints—*It assures them that the pipe line will be completed and a revenue producer well within the time allowance.*

THE speed and simplicity of use of Leadite is a big factor in rapidly expanding communities.

This illustration shown here is a scene from an installation where Leadite was used with c. i. bell and spigot pipe.

These lines are in one of the fastest growing cities in the South. The speed of Leadite jointing makes it possible to lay pipe fast enough to keep up with the new building and real estate expansion.

In addition, Leadite joints are permanent. For over 30 years Leadite has been tested and used under all pipe laying conditions and has proven completely satisfactory.

The saving of labor time and advantages of using Leadite produce a saving of over 75% of the cost of making the joints.

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Be sure it is **LEADITE** and accept no imitations

The pioneer self-caulking material for c. i. pipe.
Tested and used for over 30 years

THE LEADITE COMPANY
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NO CAULKING

Waterworks (Continued)

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in 28th St., here, to Wataga Contg. Co., 308 Lenox Ave., New York City. $5,940. Noted Nov. 24.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Bronxdale Ave., etc., to J. V. Timoney Constr. Co., 320 East 201st St., $7,376; in Riverdale Ave., to Knight & DeMicco, Inc., 448 East Tremont Ave., $5,940; and in East Tremont Ave., to Norton Eng. & Contg. Co., 510 West 149th St., $138,236. Grand total $151,552. Noted Nov. 24.

N. Y., St. George—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Bryant Ave., etc., here, to Knight & DeMicco, Inc., 448 East Tremont Ave., New York City, $19,550. Noted Nov. 24.

Md., Baltimore—Bd. Awards, valves and hydrants to Bureau Water Supply, to A. P. Smith Co., 275 North Arlington Ave., East Orange, N. J., $58,087; and c.i. pipe and fittings, to R. D. Wood & Co., 400 Chestnut St., Phila., Pa., $137,231.

N. C., Dunn—City, G. L. Canady, mayor, enlarging waterworks, incl. coagulating basin, 2 new filters and 2 new pumps, to J. A. Beaman Constr. Co., Lawyers Bldg., Raleigh, $23,115. Noted Nov. 17.

Neb., Callaway—Deep well, to J. F. Sears, Callaway; 13,400 ft. c.i. pipe, to Natl. Cast Iron Pipe Co., 122 South Michigan Ave., Chicago, Ill.; laying above pipe, to J. M. Savidge, Callaway; also valves and boxes, to Interstate Mchy. & Supply Co., 1006 Douglas St., Omaha, Neb. Engrs. est. $25,000. Noted Nov. 3.

Tex., Lufkin — Improving waterworks, incl. steel tower on concrete foundation, to Chicago Iron & Bridge Wks., Old Colony Bldg., Chicago, Ill., approximately $25,000. Noted Aug. 25.

Tex., Mexia—Waterworks improvements, drilling well, constructing 125,000 gal. underground concrete storage reservoir, pumphouse, etc., to F. Fielding, Mexia, approximately $25,000.

Okla., Crescent—Extending waterworks, to F. L. Brown, 410 East Logan St., Guthrie, $31,326. Engrs. est. $30,000. Noted Sept. 22.

Okla., Ponca City — Waterworks extensions, to Earl W. Baker Co., 408 Medical Arts Bldg., Oklahoma City, $69,681.

Sewers

Proposed Work

N. Y., New York—Bd. Estimate & Apportionment, City Hall, authorized 180 m.g.d. sewage treatment plant on Wards Island, to treat sewage of Manhattan and Brooklyn Boros, together with intercepting sewers and tunnels. $28,500,000. G. W. Fuller, 170 Bway., consult. engr. Refer to Dec. 8 issue, Page 935 for detail.

N. J., Mount Ephraim—Plans sewerage system, two pumping stations, and reservoir. $300,000.

O., Barberton—Plans sewage treatment plant. $200,000. H. W. Alcorn, city engr.

O., Canton—City Service Director soon takes bids sewer in Spring St. N. E., 16th St. N. E., 17th St. N. E., Esther St. N. E., 18th, 20th and 19th Sts. $40,000-$50,000. W. E. Sarver, City Hall, engr.

O., Chagrin Falls — Plans repairing sewage disposal plant, etc. P. Elwell, 19014 Nottingham Rd., Cleveland, engr.

O., Sebring — Plans rebuilding waterworks. $100,000. W. D. Sponseller, Sebring, engr.

Ind., Anderson—Takes bids in spring, 1¼ mi. Loumandale main sewer. $35,000. M. H. Donney, engr. Noted Oct. 20.

Mich., Farmington—Oakland Co. (Pontiac) made plans Farmington Storm Sewer Drain, 12 in. to 7 ft. diam. concrete in tunnel, with branches on Grand River Ave., etc. $900,000. A. W. Spencer, Pontiac, Oakland Co. drain comr.

Is., Washington — Making preliminary plans storm sewer extensions to Southwest Dist., $150,000; also disposal plant, $50,000. Howard R. Green Eng. Co., Beaver Bldg., Cedar Rapids, engrs. Noted Nov. 24.

Tex., Big Lake—See "Waterworks."

Tex., Frankston—See "Waterworks."

Okla., Apache—Making plans sewerage system. $40,000. Long & Co., Colcord Bldg., Oklahoma City, engrs.

Okla., Chickasha—Plans sewer in Dist. 60. $25,000. R. O. Bradley, Chickasha, engr.

Okla., Lamont — Making plans 4 mi. sewerage system and disposal plant. $30,000. Engineer not announced.

Okla., Oklahoma City—Voted $2,424,000 bonds, storm sewers, and $250,000 bonds, sanitary sewers in various streets. B. M. Hart, City Hall, engr. Noted Sept. 22.

Okla., Ponca City — Made preliminary plans sewers in Hampton Heights Addition. $30,000. H. W. Crawford, Ponca City, engr.

Calif., Escondido—Making surveys sewerage system. To exceed $25,000. Black & Veatch, 307 South Hill St., Los Angeles, engrs.

Calif., Hayward—Voted $25,000 bonds, extending sewers in various sections city. J. B. Holly, city engr.

Calif., San Jose—Made plans 6,913 ft. 4- to 10-in. vitr. sewer in portions Julian St., Cinnabar and Morrison Aves. W. Popp, city engr.

Ont., Orangeville—Made plans 4 mi. 6 in. and up vitr. tile sewers in various streets, $53,000. U. V. Christie, Court House, engr. Noted July 14.

Bids Desired

N. Y., Mamaroneck—Dec. 20, by Bd. Village Trustees, Halstead Ave. sewerage system, contrs. 11, 12 and 13. R. H. Stevens, Hillside Arcade, Larchmont, sanitary engr.; adv. E. N.-R. Dec. 15. Noted Nov. 24.

N. J., Hillside—Dec. 21, by Twp. Com., Central Grammar School, Coe Ave., completing Sect. 1, sanitary sewerage system, Luster & Luster, 286 North Broad St., Elizabeth, twp. engr. A. Potter, 50 Church St., New York City, consult. engr.; adv. E. N.-R. Dec. 15.

D. C., Wash. — Dec. 20, by District Comrs., District Bldg., 16,110 lin.ft. 10- to 24-in. sewer in various streets.

O., Cleveland—Dec. 21, by Bd. Comrs. Cuyahoga Co., 3,800 ft. 8- to 24-in. vitr. clay sewer and 4,600 ft. 6- to 8-in. c.i. water mains in Worton Blvd. F. Williams, Court House, engr. Noted Nov. 3.

O., Columbus—Dec. 20, by W. H. Duffy, dir. Serv., 16,630 ft. 8 and 10 in. vitr. clay sewer in Whitehead Rd., $35,700; 5,415 ft. 6 and 8 in. in Hamilton Ave., $11,300; and 6,000 ft. 8 in. in alley west of Dresden St., $13,000. R. H. Simpson, City Hall, engr.

Mich., Muskegon Heights — Dec. 19, by City Clerk, 44,292 ft. 6- to 12-in. vitr. clay, and 660 ft. 6 in. c.i. sewers in northwest section city. $35,000. C. A. Gamble, City Hall, engr.

Calif., Los Angeles—Jan. 3, by Supervs. Los Angeles Co., 8.37 mi. sewer in (Downey) Myrtle St., etc., Impvt. 640. $110,275. W. F. Foster, Hall of Records, engr. Noted Nov. 24.

Calif., Long Beach—Taking bids 139,741 lin.ft. 6- to 33-in. vitr., 565 lin.ft. 36 and 42 in. rein.-con., and 4,163 lin.ft. 24 and 36 in. c.i. sewer, etc. in industrial section city. To exceed $650,000. Noted Nov. 24.

Calif., Marysville—Taking bids 21.4 ft. sewer sump, 16 ft. wide, 22 ft. deep, etc. at Yuba Sq. P. Divver, city engr.

Calif., Los Angeles — Jan. 31, by Bd. Supervs. Los Angeles Co., 40,000 ft. sewers in various streets. $126,775.

Contracts Awarded

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to W. D. Ficken, 411 85th St., sewers in Flatlands Ave. $18,447, and Conklin Ave. $3,714; to Peconi Contg. Co., 152 East 4th St., East 94th St., $17,481; to S. Guerriero, 1014 66th St., Bay 32nd St., $5,543; to Catapano & Ambrosio, 240 Elton St., East 89th St., $3,611; to Del Mel Contg. Co., 7624 15th Ave., 62nd St. $3,510, Lefferts Ave. $3,001, East 3rd St. $2,947, and Berriman St. $1,413; to R. Iovino, 678 Glenmore Ave., Warwick St., $2,150. Grand total $61,817. Noted Nov. 17.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in 17th Ave., to J. H. Johnson, 37 Britton Ave., Elmhurst, $10,488; 159th and Liberty Aves., to E. J. Kelly, Jr., Flushing. $2,445 and $446 respectively. Grand total $13,379. Noted Nov. 17.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in 219th St., to Kew Constr. Co., Mineola, $7,636; Westchester Ave., to J. Gallo, 169-10 State St., Flushing, $273,737; and 50th Ave., to Kennedy & Smith, Bradford St., Flushing, $56,989. Grand total $338,362. Noted Nov. 24.

N. Y., Rochester—North St. Paul Blvd. Sewer Comn., 209 Powers Bldg., sewers in Addition 1, North St. Paul Blvd. Sewer Dist., to A. Petrossi, 205 Elwood Bldg., $16,750.

La., Shreveport—For South Highlands and Jewella Trunk Sewer, 32,000 ft. concrete pipe, to Meriwether Supply Co., Shreveport, $32,674.

O., Columbus—W. H. Duffy, dir. Service, 6,164 ft. 12- to 96-in. sewer in Denune Ave., Weber Rd. and Bremen St., in Linden, to Bucanally Constr. Co., Union Trust Bldg., Pittsburgh, Pa., $101,522. Noted Nov. 17.

Ind., Elkhart—Sewer in North Main Dist., to F. J. Miller, c/o City Clerk, $25,570.

Mich., Detroit—J. W. Reid, Dept. Pub. Wks., Detroit River Interceptor Sect. 6, in Woodbridge, St. Antoine and Franklin Sts., to S. A. Healy, 1007 Amer. State Bank Bldg., $433,400. Noted Dec. 1.

Mich., Pontiac—Constructing East Side Drain, Shirley Ave., approximately 1,500 ft. 7 in. diam., concrete in tunnel, to J. Brogan & Son, Pontiac, $45,000.

Arkansas—State Hy. Dept., Little Rock, 136 ft. rein.-con. bridge, on Highway 70, Sect. 5, Pike Co., to Maxwell Constr. Co., Columbus, Kan., $12,987; and 350 ft. rein.-con. bridge, on Highway 6, Sect. 6, Hot Springs Co., to C. H. Atkinson Paving Co., Chillicothe, Mo., $34,295.

Tex., Alamo Heights — Alamo Heights, Inc., c/o R. O'Grady, mayor, San Antonio, approximately 10 mi. 4- to 18-in. concrete sewers and laterals in various streets, to Colglazier & Hoff, 300 Seguin Rd., San Antonio, approximately $150,000 (cost plus contract). Noted June 23.

Okla., Crescent—A. B. Powell, city clk., sanitary sewerage system, incl. disposal plant, to F. L. Brown, 410 East Logan St., Guthrie, $29,471. Engrs. est. $35,000. Noted Oct. 27.

Ont., Toronto — York Twp., supplying 2,000 lin.ft. 2 x 3 ft. egg shaped pipe for sewer in Humbercrest Blvd. at Black Creek, to J. E. Russell Co. Ltd., Reford Bldg., engrs. total est. $33,000; 1,000 g.p.m. sludge pump, to Smart Turner Machine Co. Ltd., 191 Barton Ave. E., Hamilton, $2,262, and 950 cu.ft. per min. rotary blower with motor and controls, to Francis Hankin Co. Ltd., 386 King St. W., $3,570, both for Rockcliffe Blvd. sewage disposal plant; also 3,000 sq.ft. sewage disposal sludge beds, to F. B. Goedike, engr., 40 Jarvis St., to be constructed by day labor, $25,000. Noted Nov. 24.

Waste Disposal

Proposed Work

N. J., Atlantic City—City Comn. plans incinerator. $150,000.

Contracts Awarded

Mich., Detroit — Dept. Pub. Wks., City Hall, 50 x 200 ft. garbage transfer station, rein.-con., and 1 story concrete garage, to W. H. Mueller, 2111 Woodward Ave. $67,980. Noted Oct. 27 under "Buildings—Industrial."

Bridges

Proposed Work

N. H., Livermore Falls (mail Plymouth) —Boston & Maine R.R. Co., W. J. Backes, ch. engr., North Sta., Boston, Mass., plans replacing bridge with structural steel bridge, 150 tons steel, here. $150,000.

Virginia—Newport News-Norfolk Bridge Co., c/o C. M. Ward, pres., 2314 Grove Ave., Richmond, plans 4.8 mi. bridge over Hampton Roads between Newport News and Norfolk, incl. 9,000 ft. concrete trestle, 12,240 ft. steel superstructure, suspension cantilever with one 740 ft. and two 370 ft. spans, 152 ft. high and 27 ft. roadway. Robinson & Steinman, 25 Church St., New York City, consult. engrs.

Michigan and Wisconsin—Menominee Co. (Menominee), Mich., and Marinette Co. (Marinette), Wis., making plans and take bids in early spring, 850 ft. span steel deck cantilever type inter-state bridge, 40 ft. roadway, and two 6 ft. sidewalks over Menominee River between Menominee Co., Mich., and Marinette Co., Wis. $525,000. C. A. Melick, New State Office Bldg., Lansing, Mich., bridge engr.

Mich., Grand Rapids—Making plans 200 ft. rein.-con. and steel viaduct, 54 ft., with 38 ft. roadway and two 6 ft. sidewalks over Pennsylvania, Michigan Central & Pere Marquette Ry. tracks, on Wealthy St. $335,000. C. W. Darling, city engr.

Mich., Lansing—Making plans 900 ft. multispan rein.-con. viaduct, 40 ft. over Grand River and Grand Trunk Ry. tracks, at Logan St. $400,000. E. G. Eddy, city engr.

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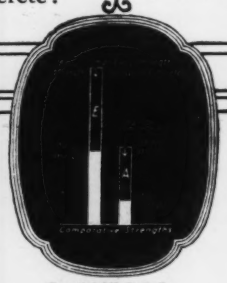
. . . answering your Questions regarding High-Early-Strength Concrete

QUESTION	ANSWER
1—What is *High-Early-Strength* Universal Concrete?	Concrete with a *3-day* strength equal to the *28-day* strength of ordinary concrete.
2—Are special materials and equipment needed?	No. It is made with the *usual* materials, *usual* labor, *usual* equipment and standard Universal cement, all applied according to thoroly tested methods.
3—What is its chief advantage?	Saves time! Concrete for foundations, buildings, sidewalks, pavements and improvements of all kinds is made ready for use in *3 days* instead of *3 weeks*.
4—Is there any additional important advantage?	Yes. Such concrete not only has a higher *early* strength, but also a greater *ultimate* strength and therefore is *permanently* better and stronger than ordinary concrete. (See diagram.)
5—Is its use restricted to certain kinds of jobs?	No. Because it may be made as workable as desired, *High-Early-Strength* Universal Concrete is used for any and all kinds of concrete work.
6—Has *High-Early-Strength* Universal Concrete been fully tested?	Yes. Thousands of laboratory tests, years of experiment and hundreds of actual jobs prove the value of *High-Early-Strength* Universal Concrete.
7—What other advantages does *High-Early-Strength* Universal Concrete offer?	It is unnecessary to stock extra brand of material as *High-Early-Strength* concrete is obtained with the *usual* materials, *usual* labor, *usual* equipment and the same quality Universal cement as used for ordinary construction.
8—Where can I get detailed information on *High-Early-Strength* Universal Concrete?	Full details for use on any concrete work will be sent promptly on receipt of the coupon below.



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High-Early-Strength concrete "E" made by using special methods and standard Universal cement is *permanently* better and stronger than concrete as ordinarily produced as shown in the diagram. More detailed information furnished promptly on request. Just use the coupon.

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Without obligation, please send me detailed information on methods of securing strong concrete in 3 days with the usual materials and equipment.
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Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

Bridges (Continued)

Ill., Cairo — Cairo & Kentucky Bridge Co., c/o Cairo Assn. of Commerce, takes bids early in 1928, rein.-con. and steel bridge over Ohio River. $2,500,000.

Ia., Boone—Chicago & Northwestern Ry. Co., W. J. Towne, ch. engr., Chicago, Ill., making preliminary plans concrete and steel bridge over Des Moines River, here. $25,000.

Tex., San Antonio—Soon takes bids 1 span 70 ft. bridge, 45 ft., on Arsenal St., $32,000; also making plans steel and rein.-con. bridge, on South Alamo St. $40,000, and 2 steel and concrete bridges, 1 on Johnson St. $35,000, and other Guenther St. $40,000, all foregoing over San Antonio River. S. F. Crecelius, 201 Torcido Dr., engr. Noted Oct. 27.

Okla., Oklahoma City — Voted $525,000 bonds, 2 bridges across North Canadian River. M. Peshek, city clk.

Okla., Shawnee—See "Unclassified."

Ore., Portland — Takes bids latter part January, new bridge over Oregon-Washington R.R. & Navigation Co. tracks, near Columbia Bldg. $109,283. O. Laurgard, city engr.

Calif., Los Angeles—Plans bridge over Los Angeles River, on Western Ave. To exceed $25,000. J. C. Shaw, City Hall, engr.

Calif., Riverbank — San Joaquin Co. (Stockton) and Stanislaus Co. (Modesto), plan 340 ft. steel bridge to have 170 ft. center span over Stanislaus River, here. $35,000. F. E. Smith, Stockton, co. surv. former, and J. H. Hoskins, Modesto, co. surv. latter counties.

Calif., Victorville—San Bernardino Co. (San Bernardino) making plans 230 ft. span steel arch bridge over Mojave River, 20 ft. roadway, here. H. L. Way, San Bernardino, co. surv.

Ont., Lambton Mills—Toronto & York Roads Comn., York Twp., Toronto, made plans and soon takes bids 350 ft. concrete high level bridge over Humber River, on Dundas St., here. $375,000. H. C. Rose, 57 Adelaide St. E., Toronto, engr.

Ont., Windsor — Plans new concrete bridge over Canadian Pacific R.R. tracks, on Sandwich St. $60,000. M. E. Brian, City Hall, engr.

Bids Desired

N. Y., St. George — Dec. 21, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bridge over Arthur Kill Rd., at west end Gifford's Lane; grading and steel guard curbing Trossach Rd.; and temporary storm sewer in Hylan Blvd.

New Jersey—Dec. 28, by State Hy. Comn. Trenton, rein.-con. viaduct over tracks Central R.R. of New Jersey, Delaware, Lackawanna & Western R.R. and Rockaway River, at M.P. 38.4, Route 5, Sect. 19; also reconstructing bridge on M.P. 40.5, Route 5, Sect. 19, across tracks Delaware, Lackawanna & Western R.R., Morris Co. A. L. Grover, ch. clk.; adv. E. N.-R. Dec. 15.

New Jersey—See "Streets and Roads."

Md., Baltimore—Dec. 21, by Bd. Awards, 119 ft. span rein.-con. arch bridge over Herring Run, on Mannasota Ave. N. L. Smith, City Hall, highways engr.

Florida—Jan 10, by State Roads Dept., Tallahassee, F. A. Hathawa, chn., two concrete bridges and overpass on F.A. Project 55-B, Rd. 14, Alachua Co.; four standard creosoted timber bridges on Project 677-D, Rd. 13, Levy Co.; six concrete bridges on Project 710-B, Rd. 17, Hillsboro Co.; and overpass on Project 764-B, Rd. 50, Suwannee Co. J. L. Cresap, highway engr.

Illinois — Dec. 21, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, three 10 and three 20 ft. span rein.-con. slab bridge and 2 box culverts on Route 51, Sect. 104-B Will Co., three 50 ft. span rein.-con. girder bridge on Route 56, Sect. 561-B Du Page Co., two 30 ft. span concrete girder bridges on Route 64, Sect. 126-B Kane Co., two 20 ft. rein.-con. slab bridges, also one 28 ft. and one 80 ft. rein.-con. substructure on Route 122, Sect. 128-B McLean and Tazewell Counties, one 80 ft. steel superstructure on Route 122, Sect. 128-C Tazewell Co., one 14 ft. and one 16 ft. rein.-con. slab bridge and two 40 ft., one 50 ft. and two 35 ft. rein.-con. girder bridges on Route 131, Sect. 108-B, also three 40 ft. span rein.-con. girder bridge on Route 131, Sect. 109-B, all Cumberland Co. F. T. Sheets, highway engr.

California—Jan. 3, by State Hy. Dept., Sacramento, two 30 ft. span rein.-con. girder bridge over Aliso Creek approximately 8 mi. north of San Juan Capistrano, also widening 40 ft. roadway on existing two 15 ft. span rein.-con. girder bridge, approximately 2 mi. south of Tustin, both Orange Co. R. M. Morton, Strub Bldg., Sacramento, engr. Noted Nov. 3.

Bids Received

O., Cincinnati — G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, 8th St. viaduct, ¾ mi. long, rein.-con. and steel, on Ohio River Rd., here, from Folwell-Ahlskog Co., 323 North Michigan Ave., Chicago, Ill., $1,851,829. Engrs. est. $2,213,956. Noted Nov. 24.

Contracts Awarded

N. J., Jersey City — State Hy. Comn., Trenton, bridges and other structures of steel, masonry or rein.-con. on Sect. 4-A, known as Highway Route 1 (1927) between Larch and point near Charlotte Aves., Hudson Co., Contr. 9, to Clements Constr. Co., 101 Park Ave., New York City, $469,-916. Noted Nov. 17.

Va., Portsmouth — Portsmouth-Nansemond Bridge Corp., Norfolk, general contract bridge over Nansemond River, north of here, to Atlantic Bridge Co., Greensboro, N. C. Engrs. est. $425,000.

Alabama—See "Streets and Roads."

Miss., Merrill—George County Bridge Co., Inc., c/o J. C. Dorsett, pres., rein.-con. and steel toll bridge over Pascagoula River, to Austin Bridge Co., 1813 Clarence St., Dallas, Tex. Engrs. est. $125,000.

Michigan—E. L. Cowgill, resident engr., Plymouth, Trunk Line Bridge 1 of 50-12-2, 50 ft. span, steel deck girder type, 30 ft. roadway, Macomb Co., for State Hy. Dept., Lansing, to T. E. Currie Co., 909 Transportation Bldg., Detroit, $24,701; furnishing steel for same, to Amer. Bridge Co., 1328 Buhl Bldg., Detroit, $3,591. Noted Oct. 13.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridges on Route 116, Sects. 113-B and 114-B, Livingston Co., to Indiana Road Paving Co., Rochester, Ind., $18,963 and $7,049 respectively; on Route 142, Sect. 116-B, Hamilton Co., to Watt Constr. Co., Winchester, $33,614; on Route 81, Sect. 102-B, Henry Co., to G. C. Fairclo, Princeton, $14,330; on Route 156, Sect. 102-B, Monroe Co., to P. & G. Constr. Co., Mt. Carmel, $18,179, on Route 72, Sect. 128-B, Kane and De Kalb Counties, to Button Bros., Hebron, $16,185; and on Route 7, Sect. 4-B-1, Henry Co., to Frandsden Constr. Co., Chicago, $11,749. Grand total $120,069. Noted Oct. 20.

Kan., Oakley—Logan Co., to Bliss & Bliss, Mankato, four 30 ft., I-beam span bridge $8,351, five 30 ft. I-beam span bridge $8,916, and one 30 ft. I-beam span bridge $3,998, all on Project 375-D. Grand total $21,265.

Kan., Ottawa—Franklin Co., one 80 ft., steel truss span bridge on Project 375-D, to Pioneer Constr. Co., 270 Glover Bldg., Kansas City, Mo., $9,388.

South Dakota—State Hy. Comn., Pierre **(F.A.P. means Federal Aid Project and S.P. State Project)**, 152 ft. span bridge on F.A.P. 219-B, Walworth Co. and 40 ft. span bridge on F.A.P. 228-A, Potter Co., to M. A. Stump, Mobridge, $12,443 and $3,249 respectively; 45 ft. span bridge on S.P. 103, Hand Co., to C. M. Fassett, Brookings, $2,725; 330 ft. span bridge on S.P. 153, Jones Co. and 32 ft. span bridge on S.P. 143, Sully Co., $13,-058 and $3,003 respectively; also 50 ft. span bridge on S.P. 149, Douglas Co., to W. A. Barnhart, Salem, $2,895. Grand total $37,373. Noted Nov. 10 and 17.

Okla., Edmond—Oklahoma Co. (Oklahoma City), 4 span 118 ft. rein.-con. bridge, here, to E. E. Hardy, Edmond $27,445. Engrs. est. $29,400.

Oregon—State Hy. Comn., Salem, bridges over Ash Creek and Luckiamute River, Polk Co., to O. N. Pierce, 912 East 10th St. N., Portland, $36,593.

Dams

Proposed Work

Mich., Rochester—Millington Land Co., 1st Natl. Bank Bldg., Detroit, making plans 500 ft. real estate development dam, 15 ft. high, incl earth embankment with rein.-con. wall and spillway, here. $25,000. McGaughan & Ransom, Pontiac, engrs.

Ia., Webster City—Making plans 100 ft. concrete dam across Boone River near White Fox Road Bridge, incl. reservoir and power plant equipment. $50,000. G. J. Long, Webster City, engr.

Calif., Los Angeles—Made plans Thompson Creek Earth-fill dam on Thompson Creek, 30,000 cu.yd. earth fill, 3,200 cu.yd. excav., 825 cu.yd. rein.-con. and 115 cu.yd. plain concrete. E. C. Eaton, 202 North Bway., engr.

Railways

Proposed Work

Iowa—See "Unclassified under Burlington, Ia."

Missouri—Missouri Pacific R.R. Co., E. A. Hadley, ch. engr., Ry. Exch. Bldg., St. Louis, takes bids early in 1928, approximately 28.78 mi. second track between St Louis and Jefferson City.

Oklahoma—Kansas, Oklahoma & Gulf Ry. Co., Muskogee, C. Kaighn, ch. engr., making preliminary plans 2 mi. additional siding for freight use near Allen. $50,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Miss., Biloxi—City and River & Harbor Bd. soon take bids dredging 12 ft. channel 150 ft. wide from Mississippi River to Back Bay west of Deer Island. $85,000. T. H. Emerson, dist. engr.

Ia., Centerville—Decatur Co. takes bids about Apr. 1, 4.13 mi. ditch in Grand River D. D., 340,000 cu.yd. excav. $110,000. Noted Nov. 24.

Ark., Morrilton—Levee Dist. 1 making preliminary plans approximately 100,000 cu.yd. levee patch work, Conway Co. $25,-000. S. M. Davies, Morrilton, engr.

Ark., Piggott—Subsidiary D. D. 12 (Big Slough) of St. Francis D. D. of Clay and Greene Counties, making preliminary plans approximately 18 mi. clean out work, etc.

Ark., Pine Bluff—Harding Lake D. D., c/o R. H. Williams, chn., takes bids in spring, levee and drainage ditch from Harding Lake to Bayou Bartholomew. $350,000. E. Hale & G. B. Smith, Natl. Bank Bldg., and E. B. Reynolds, Engram Bldg., Pine Bluff, engrs. Noted June 16.

Tex., San Antonio—Making plans cut-off on San Antonio River north of Alamo St. in vicinity Guenther St., incl. excavating channel, etc., $75,000; also great bend cut-off from north of Commerce St. to Dolorosa Ave., incl. excavating for new channel, concreting same, etc. $175,000. S. F. Crecelius, 201 Torcido Dr., engr.

Okla., Oklahoma City — Voted $25,000 bonds, flood control. B. M. Hart, City Hall, engr.

Calif., Benicia — Benicia Reclamation Dist. making plans 2,000 to 3,000 ft. 30- to 56-in. storm drainage system, etc. $200,-000. F. A. Steiger, Courthouse, Fairfield, engr.

Calif., San Diego—Voted $650,000 bonds, airport, of which $550,000 will be used dredging bay and reclaiming 105 acres tide lands, and $100,000 for structures appurtenant thereto, etc. H. W. Jorgenson, City Hall, engr.

Bids Desired

O., Paulding—Dec. 16, by R. H. Schultz, surv. Paulding Co., excavating, etc., 9,147 cu.yd. Brookes Ditch in Benton and Blue Creek Counties.

Contracts Awarded

N. Y., Buffalo—J. P. Moore, comr. Dept. Parks & Pub. Buildings, City and County Hall, excavating and foundation work for city hall, Niagara Sq., to Mosier & Summers, 1266 Seneca St., $329,000. Noted Oct. 27.

Louisiana—Bd. State Engineers, Court House, New Orleans, dredging 9,500 cu.yd. in Atchalfaya and Red River Levee Dist., Point Coupee and Rapides Parishes, to W. E. Gwin, Union Indemnity Bldg., New Orleans, at $0.33 per cu.yd., and 3,500 cu.yd. fill, to G. A. Wise, Alexandria, at $0.25 per cu.yd.

Ia., Clarinda—D. D. 22, c/o K. Millen. aud. Page Co., constructing drainage ditches, incl. approximately 10,000 cu.yd excav., etc., to Reece Constr. Co., Hamburg at $0.18 per cu.yd.

Ark., Osceola—Mississippi Co., Sub Dist. 1 Carson Lake D.D. 8, Mississippi Co., R. E. L. Wilson Jr., chn., 4 mi. drainage ditch, approximately 70,000 cu.yd. excav., to W. J. Gleason, Wilson, at $0.15 per cu.yd.

Ark., Piggott—Subsidiary D. D. 21, of St. Francis Dist., approximately 500,000 cu.

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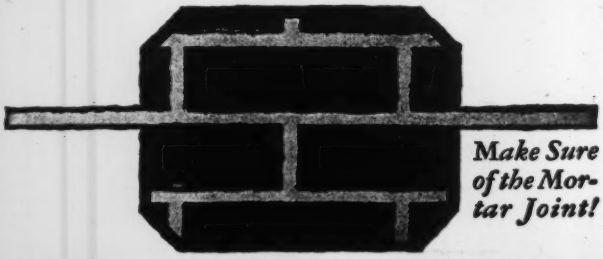

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yd. drainage ditches, Clay and Greene Counties, to Omer Dietl, Plymouth, Ind., $0.0788 per cu.yd. Engrs. est. $50,000. Noted Dec. 1.

Streets and Roads

Bids Desired

Massachusetts—Dec. 20, by Dept. Pub. Wks., Boston, bituminous macadam paving 16,533 ft. highway in Dudley, 12,429 ft. in Rockland, 15,000 ft. in Dalton and Pittsfield, also 11,091 ft. in Amherst, all 18 ft. W. F. Williams, comr.

N. Y., Buffalo—Dec. 20, at office Dept. Pub. Wks., Municipal Bldg., J. J. Love, comr., paving Kerns and Lawn Aves.; repaving Carolina, East, North and Strauss Sts., Royal, Glenwood and Briggs Aves.

N. Y., New York—Dec. 21, by J. Miller, pres. Manhattan Boro, Municipal Bldg., grading and granite block on concrete repaving Avenue A from East Houston to East 10th Sts.

New Jersey — Dec. 19, by State Hy. Comn., Trenton, grading, bridging and 8 in. double line rein.-con. paving 47,702 sq.yd. Route 30, Sect. 6 (Revision 1927), Packers Island-Allerton Rd., Hunterdon Co. A. L. Grover, ch. clk.; adv. E. N.-R. Dec. 15.

New Jersey — Dec. 28, by State Hy. Comn., Trenton, grading and 8 in. double line rein.-con. paving Route 8, Sect. 10A, Essex-Passaic Co. Line Rd. to Passaic River Bridge, Passaic Co.; and Route 30, Sect. 7 (Revision 1927) Allerton-Clinton Rd., Hunterdon Co. A. L. Grover, ch. clk.; adv. E. N.-R. Dec. 15.

Md., Baltimore—Dec. 21, by Bd. Awards, sheet asphalt on concrete paving 10,700 sq.yd. streets listed in Contr. 445. N. L. Smith, City Hall, highways engr.

Va., Portsmouth — Portsmouth-Nansemond Bridge Corp., Norfolk, taking bids asphalt on gravel surfacing 5 mi. road north of here. $100,000. Harrington, Howard & Ash, 1012 Baltimore St., Kansas City, Mo., engrs.

Florida—Jan. 10, by State Roads Dept. Tallahassee, F. A. Hathawa, chn., (**P means Project**) plain concrete surfacing 10 mi. F.A.P. 61-A, and 9.77 mi. 61-C, both Rd. 1, Gadsden Co.; Florida broken stone No. 2 surface treating 8.91 mi. P. 677-D, Rd. 13 Levy Co., and 3 mi. P. 695, Rd. 2 Lake Co.; grading, etc. 12.52 mi. F.A.P. 62-A, 11.83 mi. F.A.P. 62-C, and 12.62 mi. F.A.P. 62-D, all foregoing on Rd. 24 Osceola Co., 9.09 mi. P. 709, Rd. 39 Holmes Co., 6.18 mi. P. 710-A, and 12.69 mi. P. 710-C, Rd. 17 Hillsboro Co., 8.94 mi. P. 732, Rd. 17 Polk Co., 11 mi. P. 780, 11 mi. P. 781, and 6.62 mi. P. 782, Rd. 29 Okeechobee Co., 8.58 mi. P. 736, Rd. 39 Holmes Co., 12.9 mi. P. 683-A, Rd. 4 Palm Beach Co., 11.22 mi. P. 755, Rd. 17, 10.26 mi. P. 757, and 8.34 mi. P. 758, Rd. 2, Polk Co. J. L. Cresap, highway engr.

Alabama—Dec. 20, by State Hy. Comn., Montgomery, (**F.A.P. means Federal Aid Project and S means State Project**), grading, etc. 9.83 mi. roadway between Brewton and Conecun Co. Line F.A.P. 189-A Escambia Co., 15.56 mi. road from Center via Cedar Bluff to Georgia Line, S-177 Cherokee Co., 6.76 mi. road between Fruitdale and Mississippi Line, S-79-C Washington Co., 17.03 mi. road between Tuscaloosa and Pickens Co. line, F.A.P. 197 Tuscaloosa Co., road from Calera to Columbiana, S-44 Shelby Co., and 14.08 mi. road from Brewton to Covington Co. line, S-90 Escambia Co.; constructing 16.64 mi. road between Dothan and Choctawhatchee River, S-247, Dale and Houston Counties; chert surfacing 6.65 mi. road between Woodstock and Bessemer, S-81-D, Tuscaloosa Co.; constructing 9.09 mi. road between Enterprise and Choctawhatchee River, S-154, Dale and Coffee Counties. W. Finnell, highway dir.

Ala., Birmingham—Jan. 3, by City Comn., curbing, guttering, walks and 6 in. concrete paving, etc. 1 block 48th St. N., 40 ft., $6,850; 6 in. concrete paving 2 blocks Ave. Z, Ensley, 30 ft. $12,560; and 2 blocks 9th Court Alley, 12 ft. $1,570; 5 in. concrete paving 300 ft. Aberdeen Rd. $1,980; grading, guttering, walks and 5 in. concrete paving 50th St., 26 and 30 ft., $70,950; also 2 in. asphalt on 5 in. concrete paving 5 blocks 21st Ave. N., 30 ft., $32,520. A. J. Hawkins, city engr.

Ala., Birmingham — Jan. 22, by City Comn., 2½ in. asphalt on 6 in. concrete paving, etc., 4 blocks 2nd St., Aves. U and V, Ensley, 30 and 40 ft., $20,150; also 2 in. asphaltic concrete on 5 in. concrete paving, etc., 2 blocks 74th St. and 4th Ave. N., 30 ft. $11,700. A. J. Hawkins, city engr.

Louisiana—Jan. 12, by State Hy. Comn., Baton Rouge, graveling 7.024 mi. Many-Zwolle-Converse-DeSoto Parish Line Highway, State Project 398-G, Sabine Parish. N. W. Bowden, Reymond Bldg., highway engr.

Michigan — Dec. 20 ,by C. L. Cowgill, resident engr., Plymouth, concrete paving 85,340 sq.yd. T. L. Rd. MO50-7, C-2, Macomb Co., 20 ft., for State Hy. Dept., Lansing. Noted Oct. 6.

Michigan — Jan. 6, by H. C. Fleming, resident engr., Grand Rapids, grading and concrete paving 99,634 sq.yd. MO61-18, C-1, Muskegon Co., 20 ft., for State Hy. Dept., Lansing.

Illinois — Dec. 21, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete, vitr. brick or bituminous concrete surfacing 6.26 mi. Route 13, Sect. 28 St. Clair Co., 0.4 mi. Route 27, Sect. 4-S and 1.27 mi. Route 40, Sect. 5-X Carroll Co., 0.27 mi. Route 33, Sect. 6-X and 3.47 mi. Route 49, Sect. 110 Jasper Co., 12.2 mi. Route 64, Sect .126 DeKalb and Kane Counties, 6.82 mi. Route 64, Sect. 127 Kane Co., 1.83 mi. Route 116-A, Sect. 101 Marshall Co., 13.9 mi. Route 122, Sect. 128 Tazewell and McLean Counties, 9.39 mi. Route 129, Sect. 105 Shelby Co., 1.22 mi. Route 147, Sect. 122 Pulaski Co., and 6.93 mi. Route 176, Sect. 144 Lake Co.; grading 2.49 mi. Route 147, Sect. 122-A, Pulaski Co. F. T. Sheets, ch. highway engr.

Kan., Hiawatha — Dec. 22, by Clerk Brown Co., sand clay surfacing 6.898 mi. Project 187, and 9.978 mi. Project 188, both on U. S. 36.

Kan., Ottawa—Jan. 10, by J. R. Finley, clk. Franklin Co., grading, etc. 3.976 mi. Sect. A, and 2.819 mi. Sect. B Project 143, on K 33, 28 ft. Noted Dec. 8.

Kan., Troy—Dec. 29, by Clerk Doniphan Co., sand clay surfacing 8.012 mi. Sect. A and 7.292 mi. Sect. C U. S. 36, Project 185.

Tex., Houston—Dec. 21, by H. L. Washbourn, aud. Harris Co., grading 52,639 cu. yd. Main Street Rd. from Bellaire Blvd. to 1st S. P. crossing, and bridge across Brays Bayou, $32,500. Howe & Wise, Court House, engrs.

Okla., Shawnee—Dec. 20, by J. C. Coleman, city clk., grading, curbing and rock asphalt paving 24,200 sq.yd. various streets. $98,200. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Calif., San Francisco—Dec. 21, by State Bd. Harbor Comrs., Ferry Bldg., 69,000 sq. ft. Topeka, 61,000 sq.ft. concrete and 8,000 sq.ft. bituminous paving, etc., The Embarcadero between Bay and Powell Sts. F. G. White, Ferry Bldg., ch. engr.

Calif., Ventura—Dec. 21, by Supervs. Ventura Co., grading and concrete paving 4,563 cu.yd. etc. Grimes Canyon Rd. C. W. Petit, Ventura, co. surv.

Ont., Brantford — See "Contracts Awarded."

Ont., Kapuskasing — Dec. 24, by R. M. Myers, engr., Town Hall, concrete curbing and paving 2½ mi. various streets, 30 ft. $100,000.

Contracts Awarded

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading Franklin Ave. and Avenue M, to Grimm Contg. Co., 170 McKinley Ave., $609 and $1,012 respectively, 63rd and East 19th Sts., to Metal Forms Foundation Co., 44 Court St., $5,140 and $3,871 respectively, Avenue T, to F. Persicano, 350 Franklin St., $2,846, and 56th St., to J. V. Turecamo, foot Bay 32nd St., $4,474; sheet asphalt paving East 32nd St., to D. J. McCoy Asphalt Co., Avenue U and East 57th St. $18,844, Engert Ave., to Sicilian Asphalt Paving Co., 41 Park Row, New York City, $11,466, 1st St., to Cranford Co., 52 9th St. $11,962, and 85th St., to B. Turecamo Contg. Co., 8706 16th Ave. $3,996. Grand total $64,220. Noted Nov. 24.

New Jersey—State Hy. Comn., Trenton, grading and 8 in. double line rein.-con. paving 15,563 sq.yd. Route 1, Sect. 3A, Robbinsville Cut-off Mercer Co., to J. A. Grant, Morrisville, Pa., $60,678; and 51,510 sq.yd. Route 30, Sect. 5 (Revision 1927), Hunterdon Co., to Hyde-McFarlin Co., Kings Rd., Madison, $249,018. Noted Nov. 17.

N. J., Newton—Mayor and City Council, asphalt paving various streets, to J. F. McGreevey, 141 North Main St., Manasquan, $64,499.

Maryland — State Roads Comn., Baltimore, graveling 1.2 mi. Contr. AA-48, Anne Arundel Co., to F. Moreland, Greenock, $14,868. Noted Nov. 17.

Md., Baltimore—Bd. Awards, sheet asphalt paving 9,850 sq.yd. streets listed in Contr. 442, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $40,832. Noted Nov. 24.

Md., Baltimore — Bd. Awards, concrete work, grading, etc. area around Highlandtown School, 5th St. and Claremont Ave., to W. F. Huse, 2800 Montebello Ave., $11,297; Douglass High School, to F. Marine, 2 East Lexington St., $3,655; and Lyndhurst School, Collins Ave. near Edmondson Ave., to C. J. Spielman Co., Westport, Baltimore, $12,566, for Mayor and City Council. Grand total $27,518.

Ga., Sandersville—Warrenite bitulithic on concrete paving, etc. 25,000 sq.yd. roadway, to McDougold Constr. Co., 180½ Spring St., Atlanta, $100,000.

Alabama—State Hy. Dept., Montgomery, (**e.e. means engrs. est.**) sand-clay paving, etc. 17.62 mi. roadway between Dothan and Columbiana, Houston Co., to Wofford & Co., Dothan, $11,769 e.e. $12,000, and several small concrete bridges on same roadway, to Everglades Constr. Co., Dothan, $55,193 e.e. $55,850; grading, etc. 12.22 mi. roadway between Mount Willing and Wilcox Co. line, Lowndes Co., to W. F. Flowers, St. Petersburg, Fla., $65,687 e.e. $66,100; repaving 32 mi. roadway between Gadsden and Birmingham, St. Clair Co., to S. C. Taylor, Martin Bldg., Birmingham, $121,200 e.e. $122,200; chert surfacing, etc. 7.482 mi. roadway between Guntersville and Arab, Marshall Co., to Newell Constr. Co., Martin Bldg., Birmingham, $32,358 e.e. $33,200; grading, etc. 600 ft. south approach to Tennessee River bridge, Morgan Co., to J. B. Turner, Columbiana, $8,684 e.e. $9,000; graveling and top-soiling 8.614 mi. roadway between Jacksons Gap and Camp Hill, Tallapoosa Co., and grading and constructing several small concrete culverts on Marvin-Society Hill Rd., Russell Co., to Granson Constr. Co., Jacksonville, Fla., $25,561 and $4,382 respectively e.e. $26,100 and $4,700 respectively; constructing several small treated timber bridges on Little River-Uriah Rd., Monroe Co., to Hudson & Mims, Uriah, $12,307 e.e. $13,000; several small timber and concrete bridges, total approximately 800 ft. on Prattville-Selma Rd., Autauga Co., to Lamb & McLemore, Eutaw, $33,971 e.e. $34,100; and small concrete bridges, approximately 600 ft. long on Birmingham-Gadsden Rd., Jefferson Co., to Nixon & Phillips, Lincoln Life Bldg., Birmingham, $21,126 e.e. $22,000. Grand total $392,238. Noted Nov. 3.

Miss., Kosciusko—Attala Co., graveling 9.995 mi. Project 54-A, Durant-Starkville Rd., to S. B. Boyd, Columbia, $17,074; and furnishing 34.418 tons washed and sand clay gravel, f.o.b. Kosciusko, Munsen Crossing Spur, Lampton Crossing Spur and Ethel, to Columbus Gravel Co., Columbus, $34,185. Noted Nov. 10.

La., Plaquemine—Grading, curbing, sidewalks, etc., on various streets, to Globe Constr. Co., Louisiana Bldg., New Orleans, $28,000. Noted Nov. 17.

Ind., Laporte—Laporte Co., graveling 1¾ mi. Henry Rd., to Smith Bros., West Lebanon $14,397, and 2¾ mi. Pahs Rd., to Harshman & Jarrell, Frankfort $24,870; also asphalt paving ¾ mi. Groehler Rd., to C. Kain, Medaryville, $19,500. Grand total $58,767. Noted Nov. 10.

Ind., Martinsville — Rein.-con. paving Kyger St., to W. J. Neese Co., Mishawaka, $44,042.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, grading Route 142, Sect. 116-A, Hamilton Co., to Higgins Dyer Co., Granite City, $45,639, and Route 81, Sect. 102-A, Henry Co., to Central Eng. Co., 809 Putnam Bldg., Davenport, Ia., $29,704. Noted Sept. 15.

Ill., Niles (mail Chicago)—Curbing, guttering and 6 and 7 in. concrete paving 10,860 sq.yd. Keeney Ave., to Arcole Constr. Co., Evansville, $43,396. Engrs. est. $44,000.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., grading, curbing, paving, etc. Maple St. and 1 alley, to F. W. Blodgett, 521 Newton Ave., $505 and $1,480 respectively; Teutonia Ave., to R. H. Gumz, 831 13th Ave., $16,509; 2 alleys, to Wisconsin Asphalt Paving Co., 123 Wisconsin Ave., $2,278; and 2 alleys, to Schwerm Bros., 50 Lee St., $5,741. Grand total $26,513.

Ia., Anamosa—Jones Co., mineral aggregate paving U. S. Rd. 161, to Dubuque Stone Products Co., Dubuque, $59,420.

Ia., Council Bluffs — Auditor Pottawatamie Co., grading and paving 5.189 mi. U. S. Road 34, Project F-280, to Western Asphalt Paving Corp., Sioux City, $137,600.

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Hidden Values

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INDUSTRIAL BROWNHOIST

Streets and Roads (Continued)

Kan., Hiawatha — Brown Co., grading 5.03 mi. K20 Project 93, to J. J. Thomson, Omaha, Neb., $28,978. Noted Nov. 17.

Kan., Lyndon—E. Chappell, clk. Osage Co., gravel surfacing 8.608 mi. Project 164-A and C, also 8.895 mi. Project 165-A and C, both 28 ft., to Koehler Constr. Co., Sterling, Neb., $15,582 and $14,317 respectively. Noted Nov. 10.

Kan., Oswego—Labette Co., grading 3.597 mi. K12, Project 214-B, to J. Spitcaufsky, 2452 Benton Blvd., Kansas City, Mo., $49,407. Noted Nov. 17.

Kan., Sedan—Chautauqua Co., grading 4.495 mi. and concrete paving 0.505 mi. U. S. 166 Project 384-A, to M. R. Ammerman, Wichita, $50,493. Noted Nov. 17.

South Dakota—State Hy. Comn., Pierre **(F.A.P. means Federal Aid Project and S.P. State Project)**, to Western Asphalt Paving Co., Sioux City, Ia., concrete paving 3.69 mi. F.A.P. 153, Union Co. $97,752; to Western Bridge Constr. Co., Omaha, Neb., grading 13.89 mi. F.A.P. 181-E $24,887 and 5 mi. F.A.P. 228-A $12,384, both Potter Co. to W. R. Larson Co., Watertown, 12.9 mi. F.A.P. 199-B, Co lington Co. $39,600, 11.63 mi. F.A.P. 191-B, Clark Co. $11,266, 13.33 mi. F.A.P. 191 F, Clark Co. $18,758, and 39.74 mi. F.A.P. 149-A, B, C and 94 Spink Co. $36,317, to Dowd Bros. & Noonan-Hyde Co., Watertown, 14 mi. F.A.P. 216-A, Brown Co. $19,559, to N. J. Olson, Scenic, 16.03 mi. F.A.P. 218-A, Jackson Co. $55,008, to P. G. Thompson, Summit, 2.66 mi. F.A.P. 223, Roberts Co. $28,647, to R. P. England, Mitchell, 16.52 mi. F.A.P. 229-A, Charles Mix Co. $46,451, and 18.96 mi. F.A.P. 143, Sully Co. $41,925, to T. J. Tobin Co., Madison, 16.06 mi. F.A.P. 219-B, Walworth Co. $45,534, 14.02 mi. F.A.P. 149 Douglas Co. $37,020, and graveling 29.4 mi. F.A.P. 215-A and B, Stanley Co., $64,250, also 20.71 mi. F.A.P. 215-C and D, Haakon and Stanley Counties $43,037; to Van & Van, Hull, Ia., graveling 10.93 mi. F.A.P. 95-B, Faulk Co. $25,032, and regraveling 15.15 mi. F.A.P. 20-A and B, Walworth Co. $9,510; to H. Pickus, Madison, graveling 10.13 mi. F.A.P. 130-A-B-C-B, Custer Co. $10,876, to W. E. Barthelow, Spencer, 7.42 mi. F.A.P. 181-A-B and D, Dewey and Potter Counties $7,671, and 15.42 mi. F.A.P. 196-B, Aurora Co. $23,430, to Sheehan Constr. Co., Sioux Falls, 12.46 mi. S.A.P. 133, Minnehaha Co. $15,532 and 14.62 mi. F.A.P. 83, Kingsbury Co. $7,590, to Summit Constr. Co., Summit, 30.47 mi. F.A.P. 32 and 172-A, Edmunds Co. $18,994, and to S. S. Roberts, Flandreau, 12.5 mi. F.A.P. 93 and 133, Miner Co. $14,415. Grand total $779,260. Noted Nov. 10.

Ark., Paris — J. J. Wallace, chn. city comrs., grading, curbing 6 in. concrete paving approximately 63,000 sq.yd. Street Impvt. Dist. 1, to Grady Garms, Donaghey Bldg., Little Rock, $150,782. Noted Sept. 29.

Tex., Alamo Heights—Asphalt on rock surfacing about 10 mi. residential streets, to Colglazier & Hoff, 300 Seguin Rd., San Antonio, approximately $180,000. Noted June 30.

Tex., Alice—Bitulithic on Realitos limestone paving approximately 8 blocks streets around courthouse square, to South-West Bitulithic Co., c/o Gunter Hotel, San Antonio, approximately $32,000.

Tex., Amarillo—City, two course on gravel paving 15,750 yd. 14th St. from Georgia to Bellview Sts., to Amarillo Constr. Co., 606 Courtney St., $37,117.

Tex., Galveston — Rock asphalt paving approximately 28,100 sq.yd. Ave. S from 39th St. to city limits, to Moller & Roberts, Hitchcock, $73,209. Engrs. est. $60,000.

Okla., Ada—Grading and concrete paving, etc., 6,263 sq.yd. various streets, to Chilcutt & Fry. Bros., Ada, $22,104. Engrs. est. $25,000.

Okla., Blackwell—Grading and 6 in. concrete paving 17,000 sq.yd. Dist. 36, 30 ft., to O. T. Tyler, Blackwell, $51,748. Engrs. est. $55,000.

Okla., Blackwell—Concrete paving 7,000 sq.yd. Dist. 40, to O. T. Tyler Constr. Co., Blackwell, $51,748.

Okla., Oklahoma City—Grading and sheet asphalt paving 12,600 sq.yd. 16th and Kelley Sts., and 5,600 sq.yd. 46th St., to Western Paving Co., Petroleum Bldg., $58,488 and $24,981 respectively engrs. est. $65,000 and $28,291 respectively; 7 in. concrete paving 16 blocks Missouri, Rhode Island, Bath, Kelham and Nebraska Sts., to E. W. Baker & Co., Perrine Bldg., $89,728, engrs. est. $95,000. Noted Oct. 27 and Nov. 24.

Okla., Tulsa — Grading and 7 in. concrete paving 8,400 sq.yd. College and Florence Sts., to H. L. Cannady, 1122 South Lewis St., $34,683. Engrs. est. $35,000.

Nevada—State Hy. Comn., Carson City, crushed rock or crushed gravel surfacing 15,600 cu.yd. Route 3, Sect. B-2, Douglas Co., to Coolidge & Scott Reno, $53,003; and 18,900 cu.yd. Route 6, Sects. D-2, C-1 and C-2, Clark Co., to A. D. Drumm, Jr., Fallon, $60,438. Noted Nov. 17.

Washington—State Hy. Comn., Olympia, grading, etc. 70,500 cu.yd. State Road 7, Kittitas Co., to B. J. Deretick, 3425 Empire Way, Seattle, $46,932; also grading and crushed rock surfacnig 15,000 cu.yd. to Lyon & Price, 503 West 14th St., Spokane, $40,632. Noted Nov. 17.

Oregon—State Hy. Comn., Salem, grading, etc., 8.01 mi. Lakeview Highway, Klamath Co., to W. C. Elliott, Portland, concrete pipe $67,600, also grading and surfacing, etc., 6 mi. John Day Highway, Umatilla Co., to Rhodes & Dillard, Medford, $70,560.

Calif., Huntington Park—For 5 in. asphaltic concrete paving 115,272 sq.ft., and 5 in. concrete paving 41,755 sq.ft. Passaic St., etc., to G. H. Oswald, 366 East 58th St., Los Angeles, $40,106.

Calif., Los Angeles—Grading and concrete paving, etc. Ridpath Dr. between Kirkwood and Kewett Drs., to Griffith Co., Railway Bldg., $31,098; also grading and oiling, etc. Lassen St. between Sepulveda Blvd. and Zelah Ave., to Hollywood Granite Co., 1137 North Orange Ave., $82,385.

Calif., Los Angeles—Grading and concrete paving, etc. Lorena St. and Brooklyn Pl. Impvt. Dist., to Griffith Co., Railway Bldg., $40,417.

Calif., Los Angeles—Supervs. Los Angeles Co., grading, 3 in. oil macadam paving 173,271 sq.ft., also 7- to 9-in. 78,759 sq.ft., 8- to 10-in. 71,868 sq.ft., and 8 in. 203,768 sq.ft. vibrolithic concrete paving Brooklyn Ave., to Griffith Co., Railway Bldg., $189,098; also grading, rock and oil surfacing, etc. 411,082 sq.ft. South St., to C. G. Willis & Sons, 2119 East 25th St., $40,812. Noted Nov. 17.

Calif., San Diego—San Diego Co., grading, curbing, walks and 9-6-9 in. concrete paving, etc. 1,591,000 sq.ft. Market St. extension, to E. P. Ford, East San Diego. $768,232.

Calif., San Diego—San Diego Co., improving Golf Dr. in La Mesa Dist., to Stroud Bros. & Seabrook, 4316 Alabama St., $42,618; also North Leucadia St. in Merle, to Watson & Sutton, Noell St., North San Diego, $37,111.

Calif., San Luis Obispo—Concrete paving, etc. 117,697 sq.ft. Higuera St., to I. L. Ryder, San Carlos and Dupont Sts., San Jose, $38,544. Noted Sept. 29.

Calif., Santa Barbara — Grading, walks and 5 in. concrete paving, etc., 7,038 cu.yd. Cabrillo Blvd., to Cornwall Constr. Co., 227 Equestrain St., using beach sand for embankment, $143,344. Noted Mar. 3.

Calif., Stockton—G. E. Graham, clk. San Joaquin Co., improving Lower Stockton Rd., 6,350 tons asphaltic concrete, to Clark & Henery Constr. Co., Chancery Bldg., San Francisco, approximately $34,085.

Calif., Yreka—Siskiyou Co., grading and graveling, etc. Squaw Mt. Rd., to C. R. Adams, Yreka, $80,590.

Ont., Brantford—City will curb, gutter and pave with asphalt on concrete 3,600 ft. William St., 32 ft., by day labor. $35,000. F. P. Adams, City Hall, engr.

Buildings—Commercial

Proposed Work

Mass., Everett—APARTMENT—G. N. Prunier, c/o B. E. Porter, archt., 73 Tremont St., Boston, had plans prepared 4 story and basement, 55 x 105 ft., brick and stone, plain foundation, Bway. and Chestnut Sts. $150,000.

Mass., Lawrence—THEATRE—F. Pitoccelli, 74 Common St., having sketches made by J. E. Allen, 283 Essex St., new theatre, 17 Newbury St. $150,000 or more.

Mass., Roslindale (Sta. Boston) — APARTMENT—J. P. Kenney, 2071 Centre St., West Roxbury, had plans prepared 3 story and basement, 100 x 100 ft. apartment, South and Conway Sts. $150,000. Private plans.

Mass., Saugus (Ind. br. Lynn)—THEATRE—Franklin Park Lumber Co., Franklin Park, Malden, plans 1 and 2 story and basement, brick and steel, Lincoln Ave. $150,000. Engineer and architect not selected.

Mass., Somerville (br. Boston)—APARTMENT—E. Creman, 9 Union Sq., plans 4 story and basement, 115 x 130 ft., brick, Highland Ave. To exceed $150,000. Engineer and architect not selected.

Mass., Worcester—THEATRE, STORE and OFFICE—Keith-Albee Exchange, E. F. Albee, pres., 1564 Bway., New York City, having plans prepared by T. W. Lamb, 644 8th Ave., New York City, 3 story and basement, 125 x 200 ft., brick and steel, 3,600 seating capacity, Main St., here. $1,000,000 or more.

R. I., Providence—HOSPITAL—City, D. L. Richardson, supt., having sketches made by T. J. H. Pierce, City Hall, psychopathic hospital, Eaton St. $200,000.

Conn., Hartford — THEATRE — Keith-Albee Exchange, E. F. Albee, pres., 1564 Bway., New York City, having preliminary plans prepared by T. W. Lamb, 644 8th Ave., New York City, brick and steel theatre, 3,000 to 3,500 seating capacity, here. Noted Dec. 1.

Conn., Milford—FIRE STATION—City, Bd. Fire Comrs., having plans prepared by L. Asheim, 211 State St., Bridgeport, central fire station, brick and steel. $185,000 appropriated.

N. Y., Brooklyn—APARTMENT—Benel Realty Co., 263 Hawthorne Ave., had plans prepared 4 story, 60 x 83 ft. apartment, Hawthorne St. and Nostrand Ave. $150,000. S. L. Malkind, 93 Court St., archt.

N. Y., Brooklyn—APARTMENT—R. W. Duggan, 2029 Schenectady Ave., had plans prepared by Cohn Bros., 363 Slone Ave., apartment, East 32nd St. and Avenue H. $150,000.

N. Y., New York—APARTMENT—Ellbar Realty Corp., 16 East 52nd St., plans 14 story and basement apartment, on 64 x 150 ft. site, 83rd St. and Park Ave. $1,200,000. Engineer and architect not selected.

N. Y., New York—BANK and OFFICE—City Real Estate Co., 176 Bway., having preliminary plans prepared by F. P. Platt & Bro., 221 West 57th St., 2 story, 49 x 82 ft. bank and office building, 1091 Park Ave. $150,000.

N. Y., New York—CLUB HOUSE—Natl. Town & Country Club, 17 East 42nd St., will not construct 26 story, brick, steel and stone, plain foundation, Lexington Ave. and 48th St. $5,000,000. Project abandoned. Noted Mar. 18, 1926.

N. Y., New York—GARAGE—Fort Lee Ferry Garage, Inc., 900 Riverside Dr., had plans prepared by G. G. Miller, 1482 Bway., 2 story, 150 x 160 ft. garage, 228 Nagle Ave. $200,000.

N. Y., New York—LOFT—Three Hundred Forty-Seven West 36th Street Corp., 225 5th Ave., had plans prepared by G. and E. Blum, 415 Lexington Ave., 16 story and basement, 83 x 100 ft. loft, 347 West 36th St. $400,000.

N. Y., New York—MEDICAL OFFICE—Nine Hundred Sixty-One Madison Avenue Corp., 961 Madison Ave., soon takes bids general contract 14 story and basement medical office, Madison Ave. and 76th St. $285,000. A. L. Harmon, 19 West 44th St., archt.

N. Y., New York — OFFICE — Realty Trust Co., 509 5th Ave., having plans prepared by E. Roth, 1440 Bway., and takes bids in January, 20 story and basement, 90 x 11 ft. office building, 14th St. and Bway. $1,750,000.

N. Y., New York—OFFICE—Orion Building Corp., 300 Madison Ave., had plans prepared by Gronenberg & Leuchtag, 1385 Bway., 9 story and basement, 66 x 120 ft. office building, 201 East 35th St. $500,000.

N. Y., New York—OFFICE and STORE—Forty West 77th Street Realty Corp., 250 West 57th St., had plans prepared by J. M. Felson, 250 West 57th St., 15 story and basement, 40 x 100 ft. office and store building, 9 West 86th St.

N. J., Asbury Park—APARTMENT and STORE—L. Rosenbaum, c/o Siegler & Greenberg, archts., 164 Market St., Newark, having plans prepared 3 story and basement, 85 x 100 ft., brick and steel, plain foundation, here. $150,000.

N. J., Bloomfield—APARTMENT—Glen Ridge Apartment Inc., A. Lipton, pres., 24 Branford Pl., Newark, having plans prepared by Kosoff & Flatt, 164 Market St., Newark, 4 story and basement, brick and steel, plain foundation, 186 Ashland Ave. $175,000.

N. J., Elizabeth — APARTMENT — Progressive Impvt. Co., 120 Bway., will not construct 5 story and basement, 75 x 125 ft., brick and steel, plain foundation, North Ave. W. L. Finne, 91 Broad St., archt. Noted July 21.

N. J., Englewood — APARTMENTS — Park Lane Apartments, Inc., c/o G. V. Harvey, archt., 186 East Palisade Ave., having plans prepared three 5 story and basement, brick and steel, plain foundation, Demarest Ave. and Tenafly Rd. $450,000.

N. J., Fort Lee—BORO HALL—Boro, Municipal Bldg., Main St., plans brick and steel; plain foundation, Main St. $150,000. Engineer and architect not selected.

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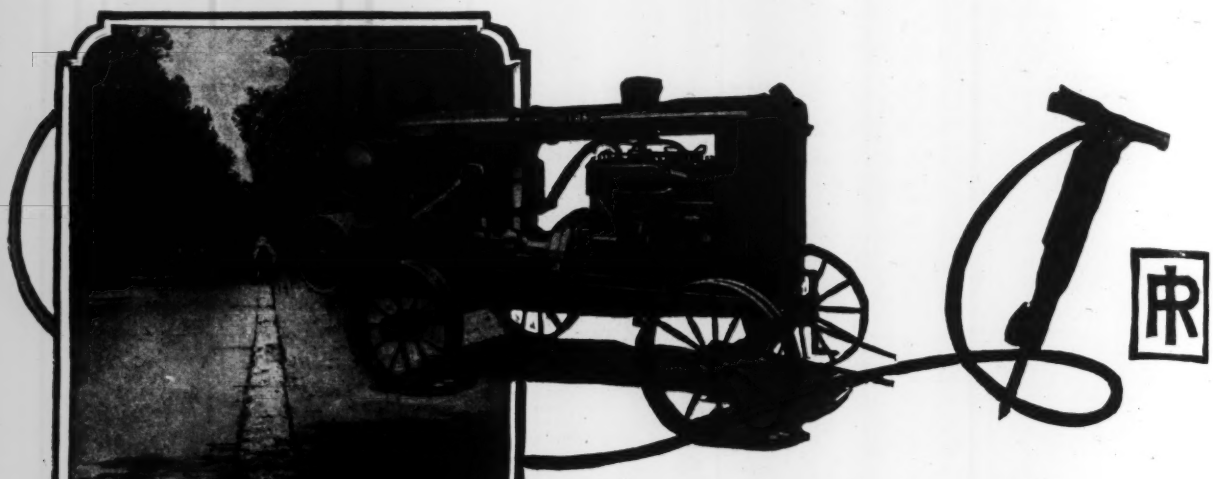

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Buildings—Commercial (Continued)

N. J., Hackensack—APARTMENT—E. Banta, 194½ Main St., having plans prepared by G. F. Pelham, 570 7th Ave., New York City, 5 story and basement, 145 x 260 ft., brick and steel, plain foundation, Clinton Pl. and Summit Ave. $300,000. Noted Nov. 24.

N. J., Hackensack—HALL of RECORDS—Bd. Freeholders Bergen Co., Court House, having plans prepared by C. V. R. Bogert, 167 Main St., 5 story and basement, 100 x 200 ft., brick and steel, plain foundation, Hudson St. $200,000. Noted Oct. 20.

N. J., Irvington (br. Newark)—APARTMENT—I. Bornstein, 157 Augusta Ave., will not construct 4 story and basement, brick and steel, plain foundation, 616 Lyons Ave. $150,000. Project abandoned. Noted Nov. 2.

N. J., Irvington (br. Newark)—APARTMENT—Portnoff & Edelstein, c/o R. Bottelli, archt., 45 Branford Pl., Newark, having plans prepared 5 story and basement, 70 x 150 ft., brick and steel, plain foundation, 616 Lyons Ave. $175,000.

N. J., Irvington (br. Newark)—APARTMENT—H. G. Constr. Co., Inc., c/o A. F. Amodro, archt., 45 Branford Pl., Newark, having plans prepared 3 story and basement, 80 x 140 ft., brick and steel, plain foundation, 340-48 Myrtle Ave., here. $150,000.

N. J., Jersey City — OFFICE — Owner, c/o W. Neuman, archt., 40 Journal Sq., having plans prepared 3 story and basement, 50 x 125 ft., brick and steel, plain foundation, Pavonia Ave. and Hudson Blvd. $150,000.

N. J., Kearny (Sta. Arlington)—APARTMENT—Garfield Inc., J. H. Milacky, pres., 471 Kearney Ave., having plans prepared by M. A. Wolf, 845 Broad St., Newark, 4 story and basement, 80 x 125 ft., brick and steel, plain foundation, Davis Ave. $150,000.

N. J., Linden—WAREHOUSE—J. Anderson, archt., 251 North Broad St., Elizabeth, will not construct 1 story and basement, 70 x 200 ft., brick and steel, plain foundation, Edgar and Showell Aves., here, for Atlantic Romper Co., Inc., 50 Atlantic St., Elizabeth. $150,000. Project abandoned. Noted June 2.

N. J., Newark—APARTMENT—M. Fink, 114 Lyons Ave., having plans prepared by A. J. Silberstein, 60 Park Pl., 5 story and basement, brick and steel, plain foundation, Porter and Lyons Aves. $150,000.

N. J., Perth Amboy—AUDITORIUM and STORE—O. K. Realty Co., 180 Smith St., having plans prepared by J. N. Pierson & Son, 198 Jefferson St., 2 story and basement, 100 x 105 ft., brick and steel, plain foundation, Maple St. $150,000.

N. J., Plainfield—Y. M. H. A., 433 West Front St., having sketches made by L. Kraft, c/o Jewish Welfare Bd., 352 4th Ave., New York City, 3 story and basement, brick and steel, plain foundation, Central Ave. and 7th St. $150,000. Noted Oct. 20.

N. J., Weehawken—CLUBHOUSE—B. P. O. Elks, 2 6th St., having plans prepared by W. Mahnken, 401 32nd St., Union City, 2 story and basement, brick and steel, plain foundation, Hudson Blvd. and 6th St. $150,000.

N. J., West New York—APARTMENT—J. A. Sarrubi, 415 20th St., having plans prepared by C. Eicholz, 960 Bergenline Ave., Union City, 5 story and basement, 100 x 100 ft., brick and steel, plain foundation, Park Ave. and 20th St. $150,000.

N. C., Winston-Salem—OFFICE—R. J. Reynolds Tobacco Co. having plans prepared by Shreve & Lamb, 7 East 44th St., New York City, 21 story and basement, 120 x 200 ft. office building, 4th and Main Sts. $4,000,000. Noted Nov. 24.

Tenn., Knoxville — HOSPITAL — Sisters of Mercy, Nashville, having plans prepared by Crowe & Schulte, 2436 Reading Rd., Cincinnati, O., 4 story and basement, rein.-con. and brick, plain foundation, here. $375,000.

Tenn., Oakville — SANITORIUM — Oakville Sanitarium had plans prepared by Jones & Furburger, Porter Bldg., Memphis, 5 buildings. $200,000. Gardner & Howe, Porter Bldg., Memphis, engrs.

Ohio—COTTAGES—J. E. Harper, dir. Pub. Wks., Columbus, plans 2 story and basement, 80 x 112 ft. cottage at Massillon, $160,000; 2 story cottage with three 30 x 70 ft. wings, for Cleveland State Hospital, Cleveland, $150,000; also 2 story and basement, 80 x 112 ft. cottage for Toledo State Hospital, Toledo, $160,000, all foregoing brick and concrete. H. B. Briggs, Ohio-Hartman Bldg., Columbus, archt. Noted Dec. 1.

O., Columbus — STORAGE WAREHOUSE—Edwards Transfer & Storage Co., 87 North Water St., having plans prepared by Snyder & Babbitt, 16 East Broad St., 6 story and basement, 90 x 305 ft., rein.-con., Maple St. $300,000.

O., Dayton—AUTO SALES, etc.—Federation Realty Co., Callahan Bank Bldg., plans 5 story and basement, 65 x 200 ft., brick and tile, plain foundation, South Main St. $200,000. Private plans.

O., Dayton—OFFICE—Refiners Oil Co., 315 South Main St., having plans prepared by Pretzinger & Musselman, Reibold Bldg., 5 story and basement, 50 x 160 ft., brick and rein.-con., plain foundation, Monument Ave. $200,000.

O., Mansfield — City plans Y. M. C. A. building $500,000.

O., Shaker Heights (br. Cleveland)—STORE and APARTMENT—A. W. Haiman, Natl. City Bldg., Cleveland, had plans prepared by A. W. Harris, 1201 Guarantee Title Bldg., Cleveland, 3 story and basement, 92 x 100 ft., brick and steel, 18130 Kinsman Rd., here. $150,000.

Ind., Jeffersonville—COURT HOUSE—Comrs. Clark Co., T. L. Stoner, aud., having preliminary plans prepared by J. B. Bayard, 231½ Main St., Vincennes, rein.-con., brick and steel court house addition, jail and sheriff's house. $200,000.

Mich., Detroit—APARTMENT—Pollmar & Ropes, archts., 2539 Woodward Ave., soon lets contract 9 story and basement, 100 x 215 ft., rein.-con., brick and steel, plain foundation, Merrick Ave., for T. F. Norris, 1334 Majestic Bldg. $450,000.

Mich., Detroit—APARTMENT—Owner, c/o P. Rossello, archt., 406 Congress Bldg., having plans prepared 3 story and basement, 48 suite, brick and steel, plain foundation, Waterloo and Benietau Aves. $170,000.

Mich., Detroit — FIRE HEADQUARTERS—Bd. Fire Comrs., Wayne and Larned Sts., had plans prepared by H. Gherke, 2455 Woodward Ave., 3 story and basement, rein.-con., brick and steel, plain foundation, Wayne and Larned Sts. $450,000. Noted Feb. 24.

Ill., Chicago—APARTMENT—A. J. Nyberg, c/o J. H. Klafter, archt., 127 North Dearborn St., having plans prepared 3 story and basement, 50 x 226 ft., 30-32 North Menard Ave. $225,000.

Ill., Chicago—WAREHOUSE, etc.—McConnell Warehouse Co., c/o S. S. Joy, archt., 180 North Michigan Ave., plans 15 story and basement, Austin Ave., Illinois, Orleans and Kingsbury Sts. $3,000,000.

Ia., Des Moines — DEPOT — Chicago, Rock Island & Pacific R.R. Co., La Salle Street Sta., Chicago, Ill., C. A. Morse, ch. engr., having preliminary plans prepared by A. T. Hawk, c/o owner, 2 story and basement, rein.-con., brick and stone, here. $1,000,000.

Ia., Des Moines—EXCHANGE—Northwestern Bell Telephone Co., 1906 Douglas St., Omaha, Neb., takes bids early in 1928, 9 story and basement, 132 x 132 ft., rein.-con., brick, steel and stone, here. $800,000. G. B. Prinz, 1037 Omaha Natl. Bank Bldg., Omaha, Neb., archt. Rawson & Souers, 810 Hubbell Bldg., associated archts. Noted Nov. 17.

Ia., Iowa City—HOTEL—H. J. Carter, et al., 417 East Bloomington St., soon take bids 7 story and basement, 150 x 160 ft., rein.-con., brick and terra cotta hotel. $400,000. Private plans. Noted Nov. 24.

Ia., Waterloo—HOTEL—G. C. Janney, 733 Walnut St., having preliminary plans prepared by Ralston & Ralston, 218 Pioneer Natl. Bank Bldg., and Wetherell & Harrison, 1012 S. & L. Bldg., Des Moines, associated archts., 10 or 12 story, rein.-con., brick, stone, steel and terra cotta hotel. $300,000 upward.

Kan., Wichita—ARMORY—Kansas National Guard, c/o A. Cassidy, comdr., having preliminary plans prepared by C. D. Cuthbert, State House, Topeka, 3 story, rein.-con. and stone armory. $150,000.

Mo., St. Louis—APARTMENT—J. R. Fleming, 4460 Gibson Ave., purchased plans 12 story and basement, 90 x 250 ft., rein.-con., brick and stone, 4615 Lindell Blvd. $1,000,000.

Mo., St. Louis—CLUB and COMMUNITY HOUSE—German House Society, Inc., J. Toensfeldt, pres., 2345 Lafayette Ave., having plans prepared by J. Heim, 211 North 7th St., and takes bids in early spring 4 story and basement, 100 x 260 ft., rein.-con., brick and stone, 2345 Lafayette Ave. $500,000.

Mo., St. Louis — HOTEL — Syndicate forming, c/o H. R. Weisels Co., Inc., 730 Chestnut St., having preliminary plans prepared approximately 20 or more story and basement, rein.-con., brick, stone, steel and terra cotta, Market St. between 17th and 18th Sts. $5,000,000.

Mo., St. Louis—HOSPITAL—Missouri Baptist Sanitarium, 919 North Taylor Ave., takes bids early in 1925, 4 story and basement, 40 x 130 ft., rein.-con., brick and stone addition, Taylor Ave. $150,000. L. B. Pendleton, 73 DeMenil Bldg., 119 North 7th St., archt. Noted Nov. 3.

Mo., Sedalia—BANK and OFFICE—Third National Bank, H. Harris, Jr., pres., having preliminary plans prepared rein.-con., brick, stone and steel, 3rd and Ohio Sts. $250,000.

Ark., Helena—HOSPITAL—City, D. T. Hargraves, mayor, takes bids early in January, 3 story and basement, 90 x 150 ft., rein.-con., and brick hospital. $150,000. E. J. Stern, A.O.U.W. Bldg., Little Rock, archt. A. P. Coolidge, Helena, associated archt.

Tex., Ft. Worth—TERMINAL—Northern Texas Traction Co., A. F. Townsend, genl. mgr., 400 Main St., plans interurban terminal, Commerce and 6th Sts. $300,000.

Tex., Galveston—HOTEL—W. L. Moody, Jr., 2618 J. St., takes bids early in 1928, 400 room hotel, Boulevard facing Gulf. $1,000,000. Engineer and architect not selected. Noted Oct. 27.

Tex., Galveston — HOTEL — Galveston Playhouse Corp., c/o B. Sass, pres., 1925 L St., having plans prepared by Hedrick & Gottlieb, Post-Dispatch Bldg., Houston, Hotel San Luis, 6 story, roof garden and promenade, 74 x 330 ft., incl. modern fireproof garage, etc. $950,000. Noted Dec. 1.

Tex., La Feria—HOTEL—N. Waters, archt., Weslaco, preparing plans and soon takes bids 3 story hotel, here, for Laferia Hotel Co., c/o L. H. Beddoes, secy. $150,000.

Okla., Oklahoma City—WHOLESALE—Blakeney & Co., Liberty Bank Bldg., having preliminary plans prepared 2 story and basement, 100 x 140 ft., rein.-con. and brick, plain foundation, Reno St. $200,000. Engineer and architect not announced.

Okla., Ponca City — AMERICAN LEGION — American Legion, having sketches made by J. D. Forsyth, engr. and archt., Ponca City, three 2 story, 40 x 75 ft., rein.-con. building. $150,000.

Calif., Arbuckle—SANITARIUM—W. F. Harlan & A. Powers having preliminary plans prepared by Starks & Flanders, Ochsner Bldg., Sacramento, 4 story, brick and concrete sanitarium. $150,000.

Calif., Burbank — APARTMENT and STORE—O. Clark, archt., 1418 Chapman Bldg., Los Angeles, preparing preliminary plans 3 story brick and concrete, San Fernando Blvd. and Bethany Rd., here. $150,000. Owner's name withheld.

Calif., San Diego—LODGE—S. D. Lodge 168, B.P.O.E., 2nd and Bway., having plans prepared by Quayle Bros., Spreckels Theatre Bldg., 3 story and basement, 100 x 200 ft., rein.-con. and steel, incl. lodge room, banquet and ball rooms, athletic apartments, etc., Cedar St. $275,000.

Calif., San Francisco—APARTMENT—J. L. Stewart (owner and archt.), Claus Spreckels Bldg., preparing plans 10 story and basement, Stockton St. $350,000.

Calif., San Francisco—APARTMENT—O. R. Thayer, archt., 110 Sutter St., prepared plans 6 story and basement, rein.-con. and steel, Herman St. $175,000. Owners name withheld.

Ont., Oshawa—CITY HALL—City plans 3 story and basement, concrete, brick and stone city hall. $250,000. Engineer and architect not selected.

Ont., Owen Sound — HOSPITAL — General & Marine Hospital having plans prepared by J. C. Forester, 265 McNab St., Hamilton, and W. G. Brown, 327 James St., Hamilton, 3 story and basement, concrete, brick, steel and stone addition. $150,000.

Ont., Toronto—APARTMENT—P. Harman, 750 Markham St., having plans prepared by K. Hyslop, 43 Adelaide St. W., and soon takes bids 4 story, 90 x 90 ft., brick, steel and stone, brick or concrete foundation, Barton Ave. and Markham St. $150,000.

Ont., Toronto — AUTOMOBILE — Canadian Natl. Exhibition, Lumsden Bldg., having plans prepared by Chapman & Oxley, Northern Ontario Bldg., 1 story, concrete, brick and stone, Exhibition Park, $900,000.

Ont., Toronto — HOME — City having plans prepared by J. J. Woolnough, City Hall, 3 story and basement, concrete, brick and steel home for incurables. $155,000.

Que., Montreal — COURT — City soon takes bids brick and steel juvenile court. $200,000.

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Buildings—Commercial (Continued)

Ont., Toronto—PARKING GARAGE—Yolles & Rotenberg, Federal Bldg., plans 5 story (ultimately 15 story) and basement, 200 x 250 ft., rein.-con. and steel, Richmond St. W. near York St. $300,000. Engineer and architect not selected.

Bids Desired

Mass., Boston — APARTMENT — See "Contracts Awarded."

Mass., Boston—APARTMENT — Owner, c/o R. M. Dobbins, 209 Washington St., taking bids 9 story and basement, brick and steel, plain foundation, Beacon St. $150,000-$160,000. H. F. Kellogg, 378 Stuart St., archt.

Mass., Boston—OFFICE—MacMillan Co., 755 Boylston St., taking bids 3 story and basement, brick, plain foundation, 40-42 Fairfield St. To exceed $150,000. J. H. Ritchie & associates, 250 Stuart St., archts. Noted Sept. 29.

Mass., Mansfield—THEATRE—See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York — EXCHANGE — Voorhees, Gmelin & Walker, archts., 342 Madison Ave., taking bids and open same about Dec. 20, 7 story and basement, brick and steel, Grand Concourse and 175th St., for New York Telephone Co., 140 West St. Noted Nov. 3.

N. Y., New York—GARAGE and RIDING ACADEMY—Feb. 1, by M. W. Whinston, archt., 116 West 39th St., 5 story and basement, 50 x 100 ft., steel and stone, plain foundation, 47 West 66th St., for Manhattan Athletic Club. $200,000. Noted Oct. 27.

N. J., East Orange—APARTMENT—See "Contracts Awarded."

N. J., Englewood—APARTMENTS—See "Contracts Awarded."

N. J., Irvington (br. Newark)—APARTMENT—See "Contracts Awarded."

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., Newark — APARTMENT and STORE—See "Contracts Awarded."

N. J., Orange—APARTMENT—See "Contracts Awarded."

N. J., Plainfield — APARTMENT — See "Contracts Awarded."

N. J., West New York—APARTMENT—See "Contracts Awarded."

Pa., Harrisburg—OFFICE—Dec. 28, by J. L. Stuart, secy. Dept. Highways, Capitol, constructing Highway (North Office) Building. S. F. Ross & W. Gehron, 101 Park Ave., New York City, archts. Lawrie & Green, Harrisburg, associated archts; adv. E. N. R. Dec. 15.

Pa., Phila. — SALES and SERVICE — Dec. 21, by Ballinger Co., archts., 12th and Chestnut Sts., 1 story and basement, 100 x 206 ft., rein.-con., brick and steel, plain foundation, Chelten Ave. and Ogontz St., for Felt Bros., Packard Bldg.

Miss., Jackson—HOTEL—Bellevue State Apartment Hotel Co., taking bids 7 story hotel. $275,000.

Ind., Griffith—HOTEL—St. Aubin Bros., Hammond, taking bids 3 story and basement, 60 x 100 ft., brick and steel hotel and store building, here. $150,000. N. Nilsson, 1st Trust & Bank Bldg., Hammond, archt.

Mich., Ann Arbor—CLUB—Pond, Martin & Lloyd, archts., North Michigan Ave., Chicago, Ill., taking bids and open same about Dec. 15, 4 story and basement, 128 x 213 ft., rein.-con., brick and steel, plain foundation, North University Ave., for Alumni Assn., Union Bldg. $600,000.

Mich., Birmingham—MUNICIPAL—Jan. 3, by Burrowes & Eurich, archts., McKerchey Bldg., Detroit, 3 story and basement, rein.-con., brick and steel, plain foundation, Martin St., here, for City. $180,000.

Mich., Detroit — APARTMENT — See "Contracts Awarded."

Mich., Detroit—GARAGE—Book Estate, Book Bldg., taking bids and opens same about Dec. 19, 12 story (ultimately 24 story) and basement, 100 x 182 ft., rein.-con., brick and steel, plain foundation, Washington Blvd. L. Kamper, 3729 Cass Ave., archt. Noted Dec. 1.

Mich., Fordson — COURT HOUSE and POLICE HEADQUARTERS—J. Kasurin, archt., 502 Empire Bldg., Detroit, taking bids and opens same about Dec. 17, 2 story and basement, 100 x 200 ft., and 45 x 80 ft., rein.-con., brick and steel, plain foundation, here, for City. B. P. Esper, city clk. $250,000.

Ill., Chicago—APARTMENT and STORE—Dec. 20, by Huszagh & Hill, archts., 6 North Michigan Ave., 12 story and basement, 110 x 150 ft., rein.-con., brick and granite, Lawrence and Kenmore Aves., for Lawrence Building Corp., 4615 Bway. $2,300,000. Noted Sept. 29.

Ill., Chicago—CLUB and APARTMENT—E. J. Meles, archt., 105 West Monroe St., taking bids 6 story and basement, rein.-con., brick and stone, on 125 x 155 ft. site, 844-46 Montrose Ave., for Clarendon Club Building Corp., c/o architect. $406,156.

Ill., Chicago — OFFICE and STORE — Schmidt, Garden & Erickson, archts., 104 South Michigan Ave., taking bids 16 story in front 5 story in rear, 110 x 182 ft., brick, steel, granite and terra cotta, caisson foundation, 16-30 West Washington St., for Syndicate, c/o architects. $2,300,000.

Mo., St. Louis — APARTMENT — See "Contracts Awarded."

Mo., St. Louis — HOTEL — Manske & Bartling, archts., 410 North Euclid Ave., taking bids and open same about Dec. 15, 4 story and basement, 85 x 95 ft., rein.-con., brick and terra cotta, Franklin and 6th Sts., for M. Smith, c/o L. H. Williams Mortgage Co., Arcade Bldg. $200,000. Noted Aug. 4.

Ark., Texarkana—DEPOT—Dec. 21, by E. M. Tucker, archt., 1164 Railway Exch., St. Louis, Mo., 2 story, 50 x 380 ft. main building, 1 story, 50 x 228 ft. mail annex, Shed 1, 21 x 258 ft., Shed 2 223 x 1,200 ft., Sheds 3 and 4, each 20 x 1,200 ft., rein.-con., brick, steel, and stone, here, for Missouri & Pacific R.R. Co., E. A. Hadley, ch. engr., Railway Exch., St. Louis, Mo., Texas & Pacific Ry. Co., E. F. Mitchell, ch. engr., Dallas, Tex., St. Louis, Southwestern Ry. Co., W. S. Hanley, ch. engr., Tyler, Tex., and Kansas City Southern Ry. Co., A. N. Reece, ch. engr., Kansas City, Mo. $1,700,000.

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Calif., Oakland—CLUB—Roeth & Bangs, archts., 1404 Franklin St., taking bids and open same about Dec. 20, 6 story and basement, rein.-con., Belleview Ave., for Womens Athletic Club, Great Western Power Bldg. $250,000. Noted Dec. 8.

Calif., San Francisco—APARTMENT—A. H. Larsen, archt., 447 Sutter St., taking bids 6 story, basement and sub-basement, steel and concrete, California and Laguna Sts., for Corporation now being organized. $350,000.

Ont., Toronto — OFFICE — See "Contracts Awarded."

Contracts Awarded

Mass., Boston — APARTMENT — L. F. Kaufman, 43 Tremont St., will build 9 story and basement, rein.-con., brick, steel and limestone, plain foundation, 14 commonwealth Ave. $300,000. Work will be done by separate contracts. G. N. Jacobs, 9 Bosworth St., archt. Noted Dec. 1.

Mass., Boston — APARTMENT — One Hundred and Seventy-Two Beacon St., Inc., 11 story and basement, 50 x 100 ft., rein.-con., brick, steel and stone, plain foundation, 172 Beacon St., to F. J. Van Etten Co., 250 Stuart St. Archts. est. $280,000. Noted May 5.

Mass., Boston—OFFICE—E. Henderson, 80 West Cedar St., 6 story and basement, brick, steel and stone, plain foundation, 264 Beacon St., to E. R. Boyle, Rear 264 Beacon St. To exceed $150,000.

Mass., Brighton (Boston P. O.) — APARTMENT—Seminary Trust, 11 Gerald Rd., 3 story and basement, 80 x 135 ft., brick and stone, plain foundation, 2045 Commonwealth Ave., to Frederick Co., 11 Gerald Rd. Archts. est. $150,000. Noted Dec. 8.

Mass., Mansfield—THEATRE—M. P. Fox, 160 Elm St., New Bedford, will build 1 and 2 story and basement, 70 x 120 ft., brick and steel, plain foundation by day labor. $160,000. L. Foster, Mansfield, archt. Noted Nov. 17.

N. Y., Bedford Hills—SANITARIUM—Montifore Home, five 1 and 2 story buildings, to Cuzzi Bros., 10 South 2nd Ave., Yonkers. Archts. est. $600,000.

N. Y., Brooklyn — APARTMENT — S. Wander (Promont Realty Co.), 50 East 42nd St., will build 15 story and basement, 48 x 93 ft. apartment, Montgomery St. and Prospect Pl. $600,000. Work will be done by separate contracts. E. Roth, 1440 Bway., archt.

N. Y., Forest Hills (Ind. sta. Flushing)—TEMPLE—Masonic Temple, Lodge 946, c/o Knap Constr. Co., 10 Continental Ave., 2 story, brick, to T. Drysdale, 250 Baltic St., Brooklyn. Archts. est. $150,000.

N. Y., Long Beach — APARTMENT — David Cummings Realty Corp., 6 story apartment, Bway. near National Blvd., to Silberblatt & Lasher, 152 West 42nd St., New York City. Archts. est. $300,000.

N. Y., New York — APARTMENT — Garant Building Co., Inc., 129 East 184th St., will build 6 story apartment, Wadsworth Ave. and 183rd St. $275,000. Work will be done by separate contracts. S. J. Ressler, Inc., 332 East 149th St., archts.

N. Y., New York — APARTMENT — S. Goldberg, 206 Bush St., will build 6 story apartment, Wallace Ave. and Arnow St. $180,000. Work will be done by separate contracts. Franklin, Bates & Heindsmann, 2526 Webster Ave., archts.

N. Y., New York—APARTMENT—H. A. Hyman, 50 East 42nd St., will build 16 story and basement, 52 x 102 ft. apartment, 141 West 79th St. $750,000. Work will be done by separate contracts. E. Roth, 1440 Bway., archt.

N. Y., New York — APARTMENT — G. and L. Constr. Co., 344 East 149th St., will build 6 story and basement, 87 x 100 ft. apartment, Fox St. near 167th St. $150,000. Work will be done by separate contracts. S. E. Oppenheim, 156 East 42nd St., archt.

N. Y., New York — APARTMENT — I. Polstein & Son, 285 Madison Ave., will build 15 story, brick, 91st St. and Riverside Dr. To exceed $1,000,000. Work will be done by separate contracts. E. Roth, 1440 Bway., archt.

N. Y., New York — APARTMENT — Retorno Co., Inc., 990 College Ave., will build 6 story and basement, 87 x 200 ft., brick, 9 Thayer St. $400,000. Work will be done by separate contracts. L. Pisciotta, 563 East Tremont Ave., archt.

N. Y., New York — APARTMENTS — Corporation, c/o J. R. Barr, pres., 347 Madison Ave. (owner and contractor), will build two 16 story apartments, 105-109 East 21st and 22nd Sts. $2,500,000. E. Roth, 1440 Bway., archt.

N. Y., New York — APARTMENTS — Corporation, c/o B. Noonan, 79 West 152nd St., will build 6 story, 200 x 256 ft. apartment, Woodycrest Ave. near Macombs Dam Park. $1,000,000. Work will be done by separate contracts. H. Ginsberg, 220 East 42nd St., archt.

N. Y., New York—LOFT and STORE—Two Hundred Twenty-Nine East 79th Street Corp., B. M. House, pres., 17 West 96th St., will build 15 story, 82 x 99 ft. loft and store building. $1,000,000. Work will be done by separate contracts. Ellis, Aaronson & Heidrich, 25 West 43rd St., archts.

N. Y., New York—STORE and DANCE HALL—Bway. Block Corp., 215 West 51st St., 3 story store and dance hall, 215 West 51st St., to Cunningham & Foley, 14 West 45th St. Archts. est. $1,100,000. Noted Dec. 8.

N. Y., Rockville Center — HOSPITAL — Hart & Shape, archts., 247 Park Ave., New York City, general contract incl. electrical work 3 story, brick and steel, plain foundation, here, to J. H. Eisele Co., 18 East 41st St., New York City, for Rockville Center Hospital Assn., Park Ave. $150,000. Noted Nov. 10.

N. J., East Orange — APARTMENT — Rubin Constr. Co., D. Lipschitz, pres., 786 Broad St., Newark, will build 4 story and basement, 75 x 100 ft., brick and steel, plain foundation, 26 Winans St. $150,000. Work will be done by separate contracts. Warren & Warren, 31 Clinton St., Newark, archts.

N. J., Irvington (br. Newark)—APARTMENT—A. Portnoff & B. Edelstein, 131 Huntington Terrace, Newark, will build 5 story and basement, 70 x 150 ft., brick and steel, plain foundation, 616 Lyons Ave. $200,000. R. Bottelli, 45 Branford Pl., Newark, archt.

N. J., Irvington (br. Newark)—APARTMENT — Sea Isle Constr. Co., c/o A. F. Amodio, archt., 45 Branford Pl., Newark, will build 3 story, 50 x 85 ft., brick and steel, plain foundation, 18th and Munn Aves., here. $150,000. Work will be done by separate contracts.

N. J., Newark—APARTMENT—Owner, c/o A. F. Amodio, 45 Branford Pl., will build 3 story and basement, brick and steel, plain foundation, Myrtle Ave. $150,000. Work will be done by separate contracts. Noted Dec. 1.

N. J., Newark—APARTMENT—Schwartz & Cohen, 49 Goodwin Ave., will build 5 story and basement, brick and steel, plain foundation, 244 Roseville Ave. $175,000. Work will be done by separate contracts. R. Bottelli, 45 Branford Pl., archt. Noted Dec. 1.

N. J., Newark — APARTMENT and STORE—Roman Realty & Constr. Co., 146 Carrol St., Paterson, will build 3 story and basement, 75 x 150 ft., brick and steel, plain foundation, 746-561 Bway., here.

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Buildings—Commercial (Continued)

$150,000. Work will be done by separate contracts. Lilien & Lilien, 155 West 72nd St., New York City, archts. Noted Dec. 1.

N. J., Orange—APARTMENT—M. T. Realty Co., 810 Broad St., Newark, will build 4 story and basement, 95 x 150 ft., brick and steel, plain foundation, 250 Washington St. $175,000. Work will be done by separate contracts. H. F. Clark, 38 Clinton St., Newark, archt. Noted Dec. 1.

N. J., Plainfield — APARTMENT — M. Tzess, 46 Bock Ave., Newark, will build 5 story and basement, 90 x 100 ft., brick and steel, plain foundation, Watchung Ave. and East 9th St. $175,000. Work will be done by separate contracts. A. J. Silberstein, 104 Maple Ave., Linden, archt.

N. J., Red Bank—APARTMENT—H. J. McDonald, 48 Deal Esplanade, general contract 5 story and basement, 160 x 170 ft., brick and steel, plain foundation, Pinckney Rd. and Broad St., to H. M. Steelman, West 5th Ave., Asbury Park. Archts. est. $200,000. Noted May 19.

N. J., Ridgefield — APARTMENT — A. Boorstein & Sons, 16 18th St., West New York, will build 5 story and basement, 100 x 100 ft., brick and steel, plain foundation, Broad Ave. and Maple St., here. $150,000. Work will be done by separate contracts. G. B. McIntyre, 524 17th St., West New York, archt. Noted Dec. 8.

N. J., West New York—APARTMENT—J. A. Sarrubi, 415 20th St., will build 5 story and basement, 100 x 100 ft., brick and steel, plain foundation, Park Ave. and 20th St. $150,000. Work will be done by separate contracts. C. E. Eicholz, 960 Bergenline Ave., Union City, archt. Noted Oct. 20.

N. J., Westwood—THEATRE—New Jersey Theatrical Enterprises, 1650 Bway., New York City, general contract 2 story and basement, brick and steel, plain foundation, to M. Shapiro & Sons, 1560 Bway., New York City. Archts. est. $150,000.

Md., Baltimore—HOTEL—Title Guaranty & Trust Co., St. Paul and Lexington Sts., 12 story and basement, 50 x 123 ft., concrete, tile, marble and brick, Eager and St. Paul Sts., to M. A. Long Co., 10 West Chase St., $800,000. Noted Nov. 24.

Ga., Augusta—NURSES HOME—City, J. W. Westmoreland, clk., City Hall, 3 story nurses home, rein.-con., brick and steel, to H. B. Nelson Constr. Co., 1051 North West 29th Terrace, Miami, Fla., $135,090. Noted Nov. 24.

Ga., Waycross — HOTEL — Wallin & Comer, archts., Realty Bldg., Savannah, 8 story and basement, 100 x 100 ft., steel and rein.-con., plain foundation, to T. A. Monk, 312 Dexter Ave., Montgomery, for Community Hotel Corp., $300,000. Noted Nov. 3.

O., Cincinnati — GARAGE — Broadway Garage, Inc., 521 Sycamore St., 7 story and basement, 150 x 200 ft., brick and rein.-con., plain foundation, 6th and Broadway Sts., to Hodges Constr. Co., 241 Walnut St., $500,000.

O., Cleveland—HOSPITAL—A. E. Skeel, archt., 5005 Euclid Ave., 3 story and basement, 50 x 150 ft., and 50 x 75 ft., brick, steel and concrete, 4229 West 25th St., to A. A. Lane Constr. Co., 1869 East 55th St., for Evangelical Deaconess Hospital, A. A. Kitterer, supt., 4229 West 25th St. Archts. est. $300,000. Noted Oct. 6.

O., Columbus—STORE and APARTMENT—D. M. Casto (owner and contractor) 36 West Gay St., will build 2 story and basement, 80 x 120 ft., brick, stone and concrete, Arlington Ave. $160,000.

O., Newark—OFFICE—Ohio Power Co., super-structure 3 story and basement, 80 x 198 ft., brick and rein.-con., to Hawkins Constr. Co., 10 East Church St., Cleveland. Archts. est. $150,000.

O., Toledo — HOSPITAL — Schmidt, Garden & Erickson, archts., 104 South Michigan Ave., Chicago, Ill., general contract 9 story, 94 x 250 ft. hospital, 6 story, 63 x 161 ft. nurses home and 4 story, 93 x 176 ft. power house, etc., here, to A. Bentley & Sons Co., 201 Belmont St., for Toledo Hospital. Noted Sept. 8.

Ind., Evansville — BANK — Old Natl. Bank, general contract brick and steel bank, to M. J. Hoffman Constr. Co., Furniture Bldg. Archts. est. $150,000.

Mich., Detroit — APARTMENT — C. E. Reichle Co., 8780 Grand River Ave., will build 4 story and basement, 70 x 133 ft., brick and steel, plain foundation, Hamilton Ave. $150,000. Private plans. Work will be done by separate contracts.

Ill., Chicago — APARTMENT — B. E. Bogeaus, 180 North Michigan Ave., masonry contract 13 story, 66 x 131 ft. apartment, 442-46 St. James Pl., to Rosenberg, Peterson & Leaf Constr. Co., 5153 North Clark St. Archts. est. $350,000.

Ill., Chicago—CLUB—Medinah Athletic Club, 11 South La Salle St., general contract 44 story, dome, and sub-basement, 100 x 175 ft., concrete, steel and stone, caisson foundation, Illinois St. and Michigan Ave., to Paschen Bros., 111 West Washington St. Archts. est. $5,000,000. Noted June 9.

Ill., Chicago—CLUB—Women's Athletic Club, 606 South Michigan Ave., general contract 7 story and basement, 75 x 100 ft. clubhouse, Michigan Ave. and Ontario St., to Lundorff Bicknell Co., 180 North Michigan Ave. Archts. est. $800,000. Noted Aug. 11.

Ill., Chicago—GARAGE—Chicago Motor Ramp Garages, 38 South Dearborn St., general contract 10 story and basement, 100 x 150 ft., rein.-con., terra cotta and brick, 62-68 West Lake St., to B-W Constr. Co., 720 Cass St. Archts. est. $800,000.

Ill., Chicago—OFFICE and STORE—Fox & Fox, archts., 38 South Dearborn St., masonry contract 3 story and basement, 80 x 145 ft., rein.-con., brick and stone, Randolph and Ada Sts., to Guy & McClintock Co., 7234 Circle Ave., for Amer. Bulb Co., 182 North Wabash Ave. Archts. est. $200,000. Noted Oct. 13.

Wis., Lake Geneva—THEATRE, STORE and OFFICE—Graven & Mayger, archts., 180 North Michigan Ave., Chicago, Ill., general contract 2 story, brick theatre, store and office building, here, to Immel Constr. Co., Fond du Lac, for Lake Geneva Theatre Building Corp., c/o architects. Archts. est. $200,000.

Wis., Wauwatosa — INFIRMARY — Bd. Trustees Milwaukee Co. Institutions, W. I. Coffey, mgr., excavation, concrete, masonry and carpentry work for 3 story and basement, 200 x 235 ft., rein.-con., brick and steel dispensary, etc., to S. Czaplewski & Sons, 878 2nd Ave., Milwaukee, $172,000; cut stone and granite work, to Andres Stone & Marble Co., Kiefe and Richards Ave., Milwaukee, $28,480; tile and terrazzo, to Starch Mantel & Tile Co., 2514 North Ave., $55,000; heating and ventilating, to P. E. Mueller Co., 320 Park St., Milwaukee, $45,540; and plumbing, to Wenzel & Henoch, 498 27th St., Milwaukee, $44,429. Grand total $345,449. Noted Nov. 3.

Mo., Kansas City—OFFICE—Hoit, Price & Barnes, archts., 800 Davidson Bldg., erecting steel for 13 story, 96 x 125 ft., rein.-con., brick and steel addition, 11th and Oak Sts., to St. Louis Steel Erection Co., 3840 Market St., St. Louis, for Southwestern Bell Telephone Co., Telephone Bldg., St. Louis. Noted Nov. 17.

Mo., St. Louis—APARTMENT—Weinberg Realty & Constr. Co., 816 Chestnut St., will build 3 story and basement, 44 x 90 x 145 ft., rein.-con. and brick, 325 North Taylor Ave. $150,000. Work will be done by separate contracts. M. L. Latner, 816 Chestnut St., archt. Noted Nov. 24.

Mo., St. Louis—APARTMENT, GARAGE and STORE—Northwestern Corp., 6304 West Florissant Ave., 2 story and basement, 40 x 56 ft., and 50 x 200 ft., rein.-con. and brick, West Florissant and Floy Aves., to William H. and Nelson Cunliff Co., 410 North Euclid Ave. Archts. est. $150,000.

Mo., St. Louis—OFFICE and STORE—Railway Exchange Co., Ry. Exch. Bldg., remodeling 22 story and basement store and office building, 6th, 7th, Olive and Locust Sts., to Westlake Constr. Co., 1919 Ry. Exch. Bldg. Archts. est. $350,000.

Okla., Tulsa—OFFICE—Oklahoma Natural Gas Co., 117 West 4th St., 10 story and basement, 47 x 140 ft., rein.-con. and brick, plain foundation, 7th and Boston Sts., to Shallenberger, 1631 East 6th St., $564,240. Noted Oct. 20.

Colo., Glenwood Springs — COURT HOUSE — Garfield Co., general contract 4 story, 70 x 170 ft., brick, steel and terra cotta, to A. Danielson & Son, 926 West 19th Ave., Denver, $128,873. Noted Nov. 17.

Wash., Seattle—APARTMENT—Chevalier & Pohl, Inc., Ry. Exch. Bldg., 4 story and basement, 60 x 100 ft., rein.-con., brick and terra cotta, Harvard Ave. and Harrison St., to E. Pohl, Ry. Exch. Bldg. Archts. est. $155,000.

Calif., Los Angeles—APARTMENT—H. Feigenbaum, c/o S. Brown, archt., New Orpheum Theatre Bldg., will build 4 story and basement, brick, 4th St., by day labor. $150,000.

Calif., Los Angeles — APARTMENT — Lentzner & Anderson, 4075 Beverly Blvd., will build 4 story and basement, approximately 65 x 150 ft., brick, West Adams St., by day labor and sub-contracts. $150,000. Private plans.

Calif., Redlands — THEATRE — L. A. Smith, archt., Film Exch. Bldg., Los Angeles, 2 and part 3 story, 165 x 170 ft., rein.-con., 1,400 seating capacity, Cajon and Vine Sts., here, to H. I. Beller Constr. Co., 6519 Hollywood Blvd., Los Angeles, $250,000. Noted Oct. 6.

Ont., Toronto—OFFICE—Yolles & Rotenberg, Federal Bldg., will build 20 story and basement, 63 x 90 ft., rein.-con., brick and steel, plain foundation, Bay and Richmond Sts., by day labor. Archts. est. $1,000,000. Noted Dec. 1.

Ont., Toronto — WAREHOUSE — Bell Telephone Co. of Canada, 76 Adelaide St. W., altering and constructing 1 story, 80 x 210 ft., rein.-con. addition, to J. W. Wickett Ltd., 16 Saulter St. Archts. est. $150,000.

Ont., Windsor — GARAGE — Greater Windsor Development Co., c/o Tract & Diehl, archts., 23 West Pitt St., 3 story and basement, rein.-con., and brick, plain foundation, Park Ave., to J. W. Butler Constr. Co., Free Press Bldg., Detroit, Mich. Archts. est. $250,000.

Buildings—Industrial

Proposed Work

N. H., Concord—FREIGHT CAR SHOP—Boston & Maine R.R. Co., W. J. Backes, ch. engr., Boston, Mass., plans rein-con., brick and steel, here. $150,000.

Mass., Boston — POWER HOUSE and HEATING PLANT — City, Building Dept., plans power house and heating plant, outside Charles St. jail. $100,000. Engineer and architect not selected.

Mass., Chelsea — FACTORY — Panco Rubber Co., 31 Highland St., plans 1 story, 90 x 100 ft., brick and timber addition, plain foundation, Highland St. Schein & Levine, 448 Bway., archts.

Mass., Lynn—BOILER HOUSE—Stone & Webster, engrs., 49 Federal St., Boston, soon lets contract 1 story, 65 x 90 ft, rein.-con., brick and steel, plain foundation, off Broad St., for Lynn Gas & Electric Co., 90 Exchange St. Noted Dec. 1.

Mass., Melrose (Ind. br. Boston) — PRINTING PLANT—Melrose Free Press, Inc., E. J. MacLean, mgr., 504 Main St., having revised plans prepared by T. Hixon, 4 Liberty Sq., Boston, 1 story, 50 x 80 ft., brick and stone, plain foundation, West Foster St. $40,000 incl. equipment. Former bids rejected. Noted Dec. 1.

R. I., Providence—JEWELRY FACTORY—Brier Mfg. Co., 70 Ship St., soon lets contract 3 story, rein.-con. and brick factory unit. $70,000. F. B. Perry, 44 Franklin St., archt. Noted Dec. 8.

N. Y., Harrison — TYPE FOUNDRY — Ballinger Co., archts., 100 East 42nd St., New York City, will not construct 15 story, 349 x 620 ft., rein.-con. and brick, plain foundation, here, for Intertype Co., 1440 Bway., New York City. Project abandoned. Noted Oct. 13.

N. J., Elizabeth—PLANT—Dry-Ice Co. of America, 50 East 42nd St., New York City, having plans prepared solid carbon dioxide plant, Newark Ave., here, building $75,000, equipment $225,000. Private plans. C. O. Brown, 331 Madison Ave., New York City, consult. engr.

N. J., Newark—FACTORY—A. Peter, archt., 207 Market St., soon takes bids 1 story, 100 x 100 ft., brick and steel, plain foundation, Avenue L and Mary St., for Hygenic Tube Co., 88 McWhorter St. $40,000.

N. J., West New York — SILK GARMENT FACTORY—F. J. Ricker, archt., 685 Hudson Ave., soon takes bids general contract or sub-bids 2 story and basement, 25 x 80 ft., brick and steel, plain foundation, 13th and Jackson Sts. $40,000. Owner's name withheld.

Md., Baltimore—GARAGE—E. J. Rosenstein, Equitable Bldg., having plans prepared 2 story, irregular shaped, rein.-con., brick and steel, 39th St. and Canterbury Rd. $250,000. Private plans.

N. C., Bowditch (mail Micaville) — FELDSPAR PLANT — C. B. Hyatt, Asheville, and other North Carolina and New York interests, plan plant for mining and milling feldspar on the Black Mountain Ry., here. $500,000. J. L. Hyatt, Burnesville, and J. F. Shinn, Norwood, Me., interested.

N. C., Burlington—HOSIERY MILL—Holt Bros. Hosiery Co., Inc., plans new hosiery mill. $50,000. A. G. Holt, W. K. Holt and J. H. McEwen, all of Burlington, are interested.

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Buildings—Industrial (Continued)

O., Bellefontaine—PLANT—Bellefontaine Bridge Co. purchased 10 acre site and plans fireproof bridge manufacturing plant addition.

O., Canton—FACTORY—W. E. Eishelman Sr., pres. Canton Wet Wash Co., 9th St. S. W., plans 1 story, 40 x 78 ft., brick and concrete modern dry cleaning plant, 9th St. S.W. $40,000.

O., Cleveland—FACTORY—Cloyes Gear Co., R. T. Cloyes, pres., 1614 Collamer Ave., had plans prepared by Best & Hoefler, B. F. Keith Bldg., 2 story, 30 x 140 ft., brick and steel, Arabelle Rd. $50,000.

O., Dayton — FACTORY — Gem Metal Shield Co., Inc., Bacon and Bainbridge Sts., plans 1 story and basement, 100 x 200 ft., brick and rein.-con., Orchard St. $60,000. Engineer and architect not selected.

O., Dayton—FACTORY—Leland Electric Co., 218 North St. Clair St., plans 2 story and basement, approximately 100 x 200 ft., brick and stucco, Leo and Webster Sts. $175,000. Engineer and architect not selected.

Ind., Batesville—NEWSPAPER PLANT—Batesville Herald, 50 x 180 ft., brick, steel and stone, to W. A. Gutzwiller, Batesville. Archts. est. $42,000.

Mich., Detroit—FACTORY and ENGINEERING—Chrysler Motor Corp., Massachusetts Ave., 4 story and part basement, 60 x 400 ft., rein.-con. and brick, plain foundation, McLean Ave., to W. E. Wood Co., 1806 Ford Bldg.

Ill., Chicago—FACTORY—G. Felsensal & Son, 1407 Hudson Ave., having plans prepared by A. Alschuler, 1900 Steger Bldg., 2 story, 85 x 120 ft., brick, 4110-18 Grand Ave. $50,000.

Neb., Fairbury—WATER and LIGHTING PLANT — City having preliminary plans prepared rehabilitating water and lighting plant. $135,000. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, Mo., engrs.

Mo., Kansas City — WAREHOUSE — Standard Oil Co., 5301 East 9th St., having plans prepared 2 story, 140 x 140 ft., rein.-con. and brick, 20th and Harrison Sts. $150,000. Private plans.

Mo., Kansas City—WAREHOUSE, etc.—Torson Constr. Co., 6600 Independence Rd., having plans prepared 2 story (ultimately 6 story), 125 x 200 ft., rein.-con. warehouse and equipment building, Woodsweather Rd. and state line. Private plans.

Mo., Springfield—CREAMERY—Missouri Farmers Assn., c/o H. A. Cowden, Virginia Bldg., Columbia, having preliminary plans prepared by Southwest Eng. Co., Woodruff Bldg., 2 story, rein.-con. and brick, here. $50,000.

Tex., Borger (Plemons P. O.)—REFINERY PLANT—Dixon Creek Oil Co., making surveys rebuilding oil and gasoline refinery plant, 25,000 bbl. daily capacity recently destroyed by fire. $150,000 incl. new machinery. Private plans.

Tex., Marshall—PLANT—Texas Natural Resources Corp., c/o W. Clifford, pres., 565 5th Ave., New York City, purchased 5,000 acre site and plans plant, Panola Co., near here. $1,000,000.

Tex., McAllen — ICE PLANT — Central Power & Light Co., plans 2 story, 50 ton capacity ice plant. $100,000.

Tex., Mercedes—PRINTING PLANT—R. N. Waters, archt., Weslaco, soon takes bids 2 story printing plant, here, for Amer. Rio Grande Land Irrigation Co., c/o Secretary. $40,000.

Tex., Port Aransas—CEMENT PLANT—California Cement Assn., c/o Chamber of Commerce, purchased site and plans cement plant. $2,500,000.

Tex., Robstown—ICE DOCKING PLANT—Central Power & Light Co., Frost Bldg., San Antonio, having plans prepared ice docking plant, steel, 25 car capacity, along Texas-Mexican Ry. tracks, here. $45,000. Private plans.

Okla., Oklahoma City — FACTORY — Taylor Marble & Tile Co., 515 West Pine St., having preliminary plans prepared 2 story, 100 x 140 ft., rein.-con. and brick, Walker St. $175,000. Engineer and architect not selected.

Okla., Sand Springs—POWER PLANT—Sand Springs Home, Inc. had preliminary plans prepared enlarging power, light and water plant. $250,000. C. Tingliey, Sand Springs, engr.

Okla., Sand Springs—COTTON MILL—Hesslein & Co., Inc., 75 Worth St., New York City, having plans prepared enlarging cotton mill, here. $100,000 or more.

Okla., Tulsa — BAKERY — R. Pinson having preliminary plans prepared rein.-con. and brick wholesale bakery, plain foundation. $275,000. Engineer and architect not announced.

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Wash., Tacoma—CHEMICAL PLANT—Tacoma Electrochemical Co., c/o Pennsylvania Salt Co., 1000 Widener Bldg., Phila., Pa., had preliminary plans prepared chemical plant, here.

Calif., Diamond Springs—PLANT and TRAMWAY—Diamond Springs Lime Co., c/o Smith Emery & Co., engrs., 651 Howard St., San Francisco, having plans prepared lime plant, and 3 mi. overhead tramway. $400,000 or more.

Calif., Diamond Springs—LIME PLANT and TRAMWAY—Diamond Springs Lime Co., c/o H. C. Smith, archt., Humboldt Bank Bldg., San Francisco, having plans prepared lime plant, and 3 mi. overhead tramway, here. $400,000 or more.

Calif., Oakdale—ICE and COLD STORAGE—Union Ice Co., 354 Pine St., San Francisco, plans brick ice and cold storage plant, H St. and West Railroad Ave. $50,000. Eng. Dept. of Owners, engrs.

Calif., South San Francisco—FACTORY—P. Grassi & Co., 1945 San Bruno Ave., San Francisco, purchased site and plans factory for manufacturing travertite marble, garden furniture, etc. opposite Railroad Ave. To exceed $40,000.

Ont., Oshawa — SUB-STATION—Hydro-Electric Power Comn. of Ontario, 110 University Ave., Toronto, F. A. Gaby, ch. engr., plans concrete, brick and steel sub-station, here. $50,000.

Ont., Port Arthur — PLANT — Sudbury Basin Co. plans barium sulphate plant at Jarvis Island, 40 mi. southwest of here. $100,000.

Ont., Windsor — FACTORY — Chrysler Motor Car Co., 300 Tecumseh Rd., having plans prepared factory addition. $250,000.

Bids Desired

Mass., Boston—REPAIR and SERVICE GARAGE — Owner, c/o A. J. Carpenter, archt., 1 Moss Hill Rd., Jamaica Plain, taking bids altering and constructing 2 story, 45 x 80 ft., brick addition, plain foundation, 34-36 Troy St. $45,000.

Pa., Phila.—COLD STORAGE—Dec. 20, by Ballinger Co., archts., 12th and Chestnut Sts., 11 story and basement, 110 x 130 ft., rein.-con. and brick, concrete pile foundation, 314 South Delaware Ave., for Quaker City Cold Storage Co., Water and Spruce Sts. Noted Nov. 11, 1926.

Calif., Oakland—FACTORY—O. Uhle, 715 12th St., taking bids 2 story, rein.-con., Milton and Market Sts., for Bear Photo Co., 715 12th St. $50,000. E. M. Bergstrom, 354 Hobart St., designer.

Colo., Pueblo—OIL BLENDING PLANT—See "Contracts Awarded."

Ont., Ottawa — CENTRAL HEATING PLANT, GARAGE, etc.—See "Contracts Awarded."

Contracts Awarded

Me., Lewiston — HYDRO-ELECTRIC GENERATING PLANT — Central Maine Power Co., Water St., Augusta, will build hydro-electric generating plant, at Deep Rips on Androscoggin River, here. To exceed $40,000. Private plans.

Me., Waterville—LABORATORY—Keyes Fibre Co., 2 story, 86 x 156 ft., brick and steel laboratory, to Morton C. Tuttle Co., 862 Park Sq. Bldg., Boston, Mass.

Mass., Cambridge (Boston P. O.)—LAUNDRY—E. & R. Cleansing & Dyeing Co., Smart St., 1 and 2 story and basement, 75 x 100 ft., brick, plain foundation, Smart St., to C. C. Temple Co., 99 Chauncey St., Boston. Archts. est. $40,000.

Mass., Charleston (Sta. Boston)—REPAIR and SERVICE GARAGE—A. J. Wilson, c/o B. S. Brown, archt., 65 Franklin St., Boston, 1 story, rein.-con., steel and plain foundation, 33 Miller St., to D. E. McIntire, Inc., 74 Broad St., Boston. Archts. est. $40,000.

Mass., Dorchester (br. Boston)—HEATING PLANT and GARAGE—City of Boston, Transit Dept., 1 Beacon St., 1 story, 90 x 190 ft., rein.-con., brick and steel, plain foundation, Fields Corner Station, here, to White Constr. Co., 11 Beacon St., Boston, $164,744. Noted Dec. 8.

Mass., Dorchester (Sta. Boston)—SERVICE GARAGE, SHOWROOM and REPAIR SHOP—Pickwick Garage, c/o L. Kopzynski, archt., 80 Federal St., Boston, 1 story, 60 x 160 ft., rein.-con. and steel, plain foundation, 711 Columbia Rd., here, to Marden & Orlando, 128 Brookline St., Cambridge. Archt. est. to exceed $40,000. Noted Dec. 1.

Mass., Dorchester (br. Boston)—STOREHOUSE, etc.—Walter Baker & Co., Ltd., H. C. Gallagher, pres., 3 story, 65 x 105 ft., rein.-con., brick and steel, plain foundation, and paving Baker Court, Milton Lower Mills, here, to Aberthaw Co., 80 Federal St., Boston. Archts. est. $150,000 or more. Noted Dec. 1.

Mass., Watertown — FACTORY — F. C. Hersee Co., 47 Bacon St., altering and constructing 1 story, brick addition, plain foundation, to L. C. Titus, 60 Lincoln St., Watertown.

N. Y., Long Island City—GALVANIZING PLANT — Thomas Gregory Galvanizing Wks., 263 North Henry St., galvanizing plant, Grand Ave. and 149th St., to Austin Co., 120 Bway., New York City. Archts. est. $60,000.

N. J., Asbury Park—DRY CLEANING FACTORY — New York and New Jersey Dyeing & Cleaning Wks., Asbury Ave., general contract 2 story and basement, brick and steel addition, plain foundation, to Traub Bros., 1301 East St., Belmar. Archts. est. $40,000.

Pa., Phila. — STORAGE — Dept. City Transit, Broad St. Subway, 1 story and basement, 82 x 141 ft., brick and steel storage building incl. fencing, grading, etc., Fent Rock Terminal, to Penna Eng. & Constr. Co., Real Estate Trust Bldg., $148,266. Noted Dec. 1.

Ga., Atlanta — AUTO ASSEMBLY PLANT—A. Kahn, archt., 1000 Marquette Bldg., Detroit, Mich., 1 story, 483 x 762 ft., brick, concrete and steel, Sawtell Rd., here, to F. T. Ley Co., Consolidated Bldg., Jacksonville, Fla., for Chrevolet Motor Co., General Motors Bldg., Detroit, Mich. Noted Dec. 1.

Ala., Rockwood (mail Russellville) — SAW MILL, etc. — Rockwood Alabama Stone Co., general contract 1 story, 160 x 410 ft. steel saw mill and finishing shop to have 200 ft. crane runway at one end and 400 ft. at other end, to Ingalls Iron Wks., Inc., 720 Avenue D, Birmingham; foundations, flooring, heating, lighting and plumbing, to be done by day labor. Total approximately $100,000.

Tenn., Nashville — GARAGE and MACHINE SHOP—Davidson Co. Hy. Comn., F. M. Dorris, chn., Court House, general contract, concrete, brick and steel, 5th and Hitt Sts., to Foster & Creighton, 4th and 1st Natl. Bank Bldg., $66,650. Noted Nov. 17.

O., Canton—WAREHOUSE—Swift & Co., 33 South Clark St., Chicago, Ill., 1 story, 22 x 77 ft., brick, 1115-17 Tuscarawas St. N. E., to Lester Kilgore, Renkert Bldg., $40,000.

O., Cleveland — ELECTRIC SUB-STATION — Cleveland Electric Illuminating Co., R. Lindsay, pres.-genl. mgr., Illuminating Bldg., taking bids 4 story and basement, 56 x 125 ft., brick, steel and concrete, West 95th St. $200,000. Private plans.

O., Dayton—FACTORY—U. S. Corrugated Fibre Box Co., 1315 Martindale Ave., Indianapolis, Ind., general contract 1 story, 125 x 300 ft., brick and steel, Holmes Ave. near Soldiers Home, here, to Danis-Hunt Co., 1st and Webb Sts. Archts. est. $50,000. Noted Oct. 20.

O., Mansfield—FOUNDRY, etc.—Humphrey Mfg. Co., 1 story, 50 x 120 ft. foundry, and 30 x 120 ft. cleaning room, both brick and steel, to J. Wolfe & Son, Mansfield. Archts. est. $50,000.

Ind., Ft. Wayne—FACTORY—Woodward Eng. Co., East Pontiac St., general contract 1 story, 60 x 100 ft., brick and steel factory, to Truscon Steel Co., Youngstown, O. Archts. est. $60,000.

Ind., Indianapolis—BOILER PLANT—Indianapolis Water Co., 113 Monument Circle, general contract boiler plant at pumping station, Speedway Rd. and Belt Ry. tracks, to Hall Constr. Co., 406 Bd. of Trade Bldg. Archts. est. $40,000.

Ind., Muncie—FACTORY—Warner Gear Co., general contract 1 story, 140 x 180 ft., rein.-con., brick and steel, Pennsylvania and Clark Sts., to A. J. Glaser, Lincoln St. and Cleveland, Cincinnati and St. Louis Ry. tracks. Archts. est. $50,000.

Mich., Detroit — STORAGE — Hudson Motor Car Co., 10617 Knodell Ave., 3 story and part basement, 80 x 100 ft., rein.-con. and brick addition, plain foundation, Knodell Ave., to Martin-Krausmann Co., 955 East Jefferson Ave. Archts. est. $125,000.

Mich., Lansing — HEAT TREATING PLANT—Atlas Drop Forge Co., West Hope St., 1 story, 60 x 170 ft., brick and steel, plain foundation, West Hope St., to Reniger Constr. Co., 177 North Cedar St. Archts. est. $60,000.

Mich., Lansing — AUTO PLANT — Reo Motor Car Co., South Washington St., 3 story, 65 x 100 ft., rein.-con. and brick addition, plain foundation, South Washington St., to Reniger Constr. Co., North Cedar St. Archts. est. $100,000.

Ill., Chicago — BAKERY — Grennan Bakeries, Inc., 118 South Oakley Blvd., masonry and carpentry contract 3 story, 80 x 84 ft. addition, 2301-17 Wilcox St., to G. Thomson & Son Co., 30 North La Salle St. Archts. est. $125,000.

Buildings—Industrial (Continued)

Ill., Chicago—BAKERY—Ward Baking Co., 114 South Racine Ave., masonry and carpentry contract 3 story, 78 x 149 ft. addition, 114-30 South Racine Ave., to Equity Constr. Co., 25 West 43rd St. Archts. est. $150,000.

Ill., Chicago — FACTORY — S. Bingham Sons, 636 Sherman St., masonry contract 2 story, 99 x 101 ft. addition, 700-10 Sherman St., to W. Adams Co., 209 South La Salle St. Archts. est. $50,000.

Ill., Rockford — STEEL PRODUCTS PLANT—Damascus Steel Products Corp., general contract 1 story, 60 x 260 ft., rein.-con., brick and steel, Kishwaukee St., to A. Linden & Sons, 1110 10th St. Archts. est. $60,000.

Colo., Pueblo—OIL BLENDING PLANT —Forbush Fuel & Ice Co., 100 North Grand Ave., will build 2 story and basement, 30 x 40 ft., rein.-con. and brick, plain foundation, by day labor. $43,000.

Calif., Los Angeles—FACTORY—C. F. Plummer, archt., 1108 Story Bldg., 1 story, 100 x 100 ft., brick, Telegraph Rd. and Atlantic Ave., to S. N. Benjamin, 718 East 16th St., for Sterling Electric Motors, Inc., 120 West 4th St. Noted Dec. 1.

Calif., Stage—CHEMICAL PLANT—R. T. Orendain, constr. mgr., Western Industries Co., 110 Sutter St., San Francisco, will build 5 story, acetic acid, wood alcohol and charcoal factory, concrete, steel and tile here. $250,000.

Ont., Oshawa—REPAIR SHOP—General Motors of Canada, general contract 1 story and basement, 100 x 100 ft., rein.-con., brick and steel repair shop, also ½ mi. concrete testing track, to Jackson Lewis Co. Ltd., Federal Bldg., Toronto; structural steel, to McGregor & McIntyre, 1139 Shaw St., Toronto. Archts. est. $150,000.

Ont., Ottawa — CENTRAL HEATING PLANT, GARAGE, etc.—Gauoni Insulated Walls Ltd., Jackson Bldg., Bank St. W., will build central heating plant, garage, and 40 dwellings, western section city, by day labor. $100,000. H. Ganvin, 1008 Bronson Ave., engr.

Ont., Windsor — AUTO FACTORY — Chrysler Corp. of Canada, 300 Tecumseh Rd., 2 story, 100 x 400 ft., rein.-con. and steel addition, to S. E. Dinsmore & Co., Security Bldg.

Buildings—Educational, Religious

Proposed Work

Me., Lewiston—HIGH SCHOOL—City, R. J. Wiseman, mayor, plans 2 story and basement, probably brick and stone high school. $150,000. Engineer and architect not selected.

Mass., Andover — LIBRARY, DINING HALL and INN — Phillips Andover Academy, J. H. Buttimer, supt. buildings, having preliminary plans prepared by C. A. Platt, 101 Park Ave., New York City, library, dining hall and inn, on Academy grounds. Noted Dec. 1.

Mass., Ayer—HIGH SCHOOL—Town, J. E. Carney, chn., plans brick, Main St. $150,000 or more. Engineer and architect not selected.

Mass., Lynn—SCHOOL—City, Dept. Pub. Buildings, plans rebuilding Tracy School, 3 story and basement, brick and stone, Walnut St., recently destroyed by fire. $250,000-$500,000. Engineer and architect not selected.

Mass., New Bedford—CHURCH—Church of Nazarene Society, I. M. Brown, pastor, 268 Cottage St., plans church, Cottage St. $150,000 or more. Engineer and architect not selected.

Mass., West Roxbury (sta. Boston) — CHURCH — Holy Name Parish, W. P. McNamara, pastor, 1689 Centre St., having sketches made by E. T. P. Graham, 171 Newbury St., Boston, 1 story and basement, brick and stone, plain foundation, Centre St. and West Roxbury Parkway. Funds to exceed $150,000 being raised for same. Noted Sept. 15.

N. Y., Bronxville (Ind. br. Yonkers) — HIGH SCHOOL—Bd. Educ. having plans prepared by H. L. Walker, 144 East 54th St., New York City, Junior High School, brick, Pondfield Rd. $800,000.

N. Y., Brooklyn—TEMPLE—Parkway Temple, c/o P. H. Lustig, 1042 DeKalb Ave., having preliminary plans prepared by A. W. Brunner, Inc., 101 Park Ave., New York City, temple, 2,200 seating capacity, Eastern Parkway and Grand Army Plaza. $800,000.

N. Y., Canandaigua—GYMNASIUM—Bd. Educ., F. E. Fisk, supt., Canandaigua Free Academy, having preliminary plans prepared by W. Potter, 22 East 17th St., New York City, 1 story and basement gymnasium, Main St. $200,000.

N. Y., White Plains—HIGH SCHOOL—Bd. Educ., L. C. Shark, secy., plans high school addition, Mamaroneck Rd.

N. Y., Yonkers—TRADE SCHOOL—Bd. Educ., South Bway., had plans prepared by G. H. Chamberlin, 18 South Bway., 2 story addition to Saunders Trade School. $492,937.

N. J., Dayton — SCHOOL — Bd. Educ. South Brunswick Twp. having sketches made by A. Merchant, 52 Patterson St., New Brunswick, 2 story and basement, brick and steel, plain foundation. $160,000.

N. J., New Brunswick—TEMPLE—Temple Anshe Emeth Congregation, Livingston Ave., having sketches made 2 story and basement, brick and steel, plain foundation, Livingston Ave. and Sanford St. $150,000. Engineer and architect's names withheld.

N. J., Princeton—SCHOOL—Twp. School Bd., L. V. Silvester, pres. plans Witherspoon Street School addition $120,000, and school at Stoney Brook. $30,000.

N. J., Raritan—SCHOOLS—Bd. Educ. having sketches made by Greisen & Tusig, 175 Smith St., Perth Amboy, Clara Barton School addition $175,000, and Sand Hills School $150,000; also by A. Merchant, 52 Patterson St., New Brunswick, Piscataqwaytown School $175,000, each 2 story and basement, brick and steel.

N. J., South Plainfield—SCHOOL—Bd. Educ., Plainfield Ave., soon takes bids general contract 2 story and basement, brick and steel, plain foundation, Hamilton Blvd. $150,000. G. M. Ricci, 224 Smith St., Perth Amboy, archt. Noted Sept. 29.

N. J., South River—HIGH SCHOOL—Bd. Educ., Boro Hall, having sketches made by A. Merchant, 52 Patterson St., New Brunswick, 2 story and basement, brick and steel, plain foundation. $350,000.

Ill., Chicago—INDUSTRIAL MUSEUM —South Park Comrs., 5700 Cottage Grove Ave., E. J. Kelly, pres., having plans prepared by Graham, Anderson, Probst & White, 80 East Jackson Blvd., reconstructing old Fine Arts Building into Rosenwald Industrial Museum, 57th St. in Jackson Park. $5,000,000.

Ill., Rockford—SCHOOL—Bd. Educ., J. Alder, pres., 615 South 4th St., takes bids in 1928, 2 story and basement, rein.-con., brick and stone, Huffman Blvd. and Custer Ave. $225,000. Peterson & Johnson, Swedish Amer. Bank Bldg., archts. Noted Dec. 8.

Ill., Chicago — CHURCH and COMMUNITY CENTER — Granger & Bollenbacher, archts., 332 South La Salle St., soon takes bids 2 and 3 story, brick and stone, 91st St. and Houston Ave., for Friendship Center, 9114 Houston Ave. $200,000. Noted Nov. 10.

Mo., Kansas City—CHURCH—Redemptionist Fathers Church, Bway. and Hunter Sts., having plans prepared by M. Carroll, 705 Linwood Blvd., and takes bids early in January, 3 story and basement, U shaped, rein.-con. and Bedford stone, Bway. and Hunter Sts. To exceed $150,000.

Ark., Ft. Smith—HIGH SCHOOL—Bd. Educ., G. C. Hardin, pres., Merchants Natl. Bank Bldg., takes bids about Jan. 2, 3 story, rein.-con., brick and stone, 23 and B Sts. $300,000. Perkins, Chatten & Hammond, 160 La Salle St., Chicago, Ill., Bassham & Wheeler, Kennedy Bldg., and Haralson & Nelson, Merchants Natl. Bank Bldg., associated archts. Noted Dec. 1.

Tex., Texas City—HIGH SCHOOL—Bd. Educ. takes bids after Jan. 1, 2 story, 71 x 209 ft., rein.-con. and brick, plain foundation, $150,000. Page Bros., Brownsville, archts. M. L. Calcasieu Bldg., San Antonio, engr. Noted Dec. 1.

Okla., Oklahoma City—HIGH SCHOOLS —Voted $1,700,000 bonds, 2 new schools, for Bd. Educ.

Calif., Placerville—HIGH SCHOOL—Placerville Union High School Dist. voted $175,000 bonds, 2 story, brick high school. Davis-Pearce Co., Grant and Weber Sts., Stockton, archts. Noted Nov. 17.

Ont., Hamilton—COLLEGE—McMaster University Bd., 273 Bloor St. W., Toronto, having plans prepared by W. L. Somerville, 2 Bloor St. W., Toronto, several 2 and 3 story and basement, concrete, brick and steel buildings, incl. classrooms and dormitories, McKittrick Estate, here. $1,500,000. Noted Nov. 3.

Bids Desired

R. I., Edgewood (Sta. Providence) — CHURCH—St. Paul's Parish, M. J. McCabe, pastor, taking bids 1 story and basement, brick and stone, plain foundation. $150,000. A. J. Murphy, 25 Fenner St., Providence, archt. Noted Nov. 3.

Conn., Hartford—SCHOOL—City, Southwest School Dist., taking bids brick and steel addition, White St. $150,000. Ebbetts & Frid, 15 Lewis St., archts. Noted Sept. 22.

N. Y., Trumansburg—HIGH SCHOOL—Dec. 22, by Bd. Educ., Central School Dist. 1, incl. towns of Ulysses, Covert, and Hector, high school, here. C. C. Ade, 89 East Ave., Rochester, archt. Noted Nov. 3.

N. J., North Plainfield (mail Plainfield) —SCHOOL—Dec. 30, by Bd. Educ., 125 Somerset St., general contract 2 story and basement, brick and steel, plain foundation. $200,000. J. N. Pierson & Son, 198 Jefferson St., Perth Amboy, archts. Noted Nov. 10.

N. C., Greensboro—CHURCH and SUNDAY SCHOOL—Dec. 20 (selected list of contractors), by First Presbyterian Church, rein.-con., brick and steel Church and Sunday School. $500,000. H. Upjohn, Grand Central Terminal, New York City, archt. H. Barton, Greensboro, associated archt.

Miss., Crystal Springs — SCHOOL — J. Sullivan, supt., Copiah Co. Bd. Educ., Hazelhurst, taking bids 3 story, rein.-con., brick and stone school. $225,000. C. H. Lindsley, Lamar Life Bldg., Jackson, archt.

Ky., Morehead — AUDITORIUM-GYMNASIUM and RESIDENCE—Dec. 21, by Superintendent Pub. Instruction, Capitol Bldg., Frankfort, 95 x 100 ft. audtioriumgymnasium and residence, here, for Morehead State Normal School. $175,000-$200,000. Joseph & Joseph, Francis Bldg., Louisville, archts. and engrs.

Mich., Kalamazoo—SCHOOL—Dec. 19, by H. W. Anderson, bus. mgr. Bd. Educ., 2 story and basement, rein.-con., brick and steel, plain foundation, Early School Site. $150,000. E. S. Batterson, 901 South Westnedge St., archt.

Wis., Milwaukee—SCHOOLS—Dec. 22, by Bd. School Directors, Lincoln High School and Binner School for Deaf, 4 story and basement, 194 x 253 ft., rein.-con. and brick, plain foundations, Ogden and Cass Aves. $1,250,000. Private plans.

Wis., Wauwatosa — SCHOOL — Dec. 23, by Bd. Educ., (1st unit) 3 story and basement 135 x 160 ft. high school, East Milwaukee Ave. $225,000. Herbst & Kuenzli, 130 Wisconsin Ave., Milwaukee, archts. Former bids rejected. Noted Nov. 24.

Calif., South Pasadena—HIGH SCHOOL —Bd. Educ., taking bids Junior High School, 2 story, incl. classrooms, auditorium, 1,200 seating capacity, etc., rein.-con., for City. $200,000 or more. N. F. Marsh & Co., Bway. Central Bldg., Los Angeles, archt. Noted July 7.

Contracts Awarded

Mass., Andover—FRATERNITY—Phillips Andover Academy, 3 story and basement, brick and stone, plain foundation, to E. W. Pitman Co., 301 Essex St., Lawrence. Archts. est. $150,000.

Mass., Clinton — SYNAGOGUE — Jewish Community Centre, c/o M. Long, 46 High St., 1 story and basement, brick and stone, plain foundation, Water St., to J. T. McMahon, 18 Chase St. Archts. est. $150,000.

R. I., Providence — CONVENT — St. Michaels Roman Catholic Church, c/o O'Malley & Fitzsimmons, archts., 84 Broad St., Pawtucket, 3 story and basement, brick and stone, plain foundation, Oxford and Gordon Sts., to Bouvier-Brien Constr. Co., 189 Sayles St., Woonsocket. Archts. est. $150,000. Noted Nov. 17.

R. I., Warwick — SCHOOLS — Town, School Comn., Town Hall, Lakewood, Norwood and Greenwich Schools, 2 story and basement, brick and stone, plain foundation, to O. and S. Levine, 1225 Main St., West Warwick, $119,000. Archts. est. $150,000. Noted Nov. 3.

Conn., Bridgeport — CHURCH — First Methodist Episcopal Church, H. E. White, chn., rein.-con., brick and stone, Harrison and Golden Hill Sts., to W. R. Muirhead & Son, 541 Maple St., Bridgeport. Archts. est. $500,000. Noted Nov. 3.

Conn., Bridgeport — CHURCH — St. Mary's Church, M. E. Wilson, pastor, rebuilding exterior 1 story and basement, brick and stone, Pembroke St., to Edw. E. Bray Co., 164 State St. Archts. est. $150,000. Noted Nov. 17.

N. Y., Middletown—HIGH SCHOOL—Bd. Educ., general contract 3 story, brick addition, Academy Ave., to G. D. Campbell, 46 Cannon St., Poughkeepsie, $191,000.

N. Y., Rome—SCHOOL—Bd. Educ., 2 story and basement, brick, concrete and terra cotta school, to P. Jones, 618 Charlotte St., Utica. Archts. est. $175,000. Noted Oct. 27.

N. J., Dumont — HIGH SCHOOL — Bd. Educ., Madison Ave., general contract 2 and 3 story and basement, brick and steel, plain foundation, New Milford Ave., to F. W. Bogart, Fort Lee Rd., Bogota, $409,441. Noted Nov. 17.

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Buildings—Educational, Religious (Cont.)

N. J., Orange — CHURCH, SUNDAY SCHOOL, CHAPEL and HALL—E. P. Mellon, archt., 350 Madison Ave., New York City, general contract 2 story and basement, brick and steel, Main and Scott Sts., here, to Carlsen Co., Walnut St., Montclair for First Presbyterian Church, 20 Cleveland St. Archts. est. $150,000. Noted Nov. 10.

Pa., Pittsburgh — SCHOOL — Bd. Educ., Fulton Bldg., general contract 1 and 2 story and basement, concrete, brick and steel addition to Linden Elementary School, to Constr. Corp. of Pittsburgh, Smallman St., $139,945; heating and ventilating, to F. E. Geisler Co., 242 1st Ave., $26,900.

Pa., Reading—GYMNASIUM—Bd. Educ., A. H. Leader, supt. buildings, 8th and Washington Sts., general contract 2 story, 117 x 242 ft., rein.-con., and brick, plain foundation, 13th and Olney Sts., to Reider & McLaughlin, 1504 Alsace Rd., $145,810; also heating and ventilating, to Corbitt Bros., 147 North 5th St., $55,500. Noted Nov. 3.

La., New Orleans — SCHOOL — Orleans Parish School Bd., City Hall Annex, 3 story, brick and stone addition to Jefferson Davis School, altering and constructing North Johnson St., to Caldwell Bros., 816 Howard Ave., $188,000.

O., Cleveland — HIGH SCHOOL — Bd. Educ., F. G. Hogen, dir., John Hayes High School, 4 story and basement, 200 x 238 ft., brick, steel and concrete, East 107th St. and Carnegie Ave., to W. G. Schirmer Co., 1720 Euclid Ave., $1,294,907. Noted Dec. 8.

Ind., Indianapolis—HIGH SCHOOL—School Comrs., Old Library Bldg., general contract two 3 story, 60 x 100 ft. wings, rein.-con., brick and steel, 1500 East Michigan St., to W. P. Jungelaus, 825 Massachusetts Ave., $179,200, heating to Freyn Bros., 1028 North Illinois St. $38,236. Noted Nov. 3.

Mo., St. Louis—CHURCH—Holy Trinity Catholic Parish, J. F. Lubeley, pastor, rebuilding sanctuary, transepts, etc., 14th and Mallinckrodt Sts., damaged by tornado, to Welsch Constr. Co., 42 DeMenil Bldg., approximately $150,000.

Tex., Canyon—COLLEGE—Bd. Regents West Texas Teachers State College, 3 story, 100 x 216 ft. educational building to have 50 x 100 ft. auditorium, to J. T. Taylor, 1st Natl. Bldg., Ft. Worth, $210,976. Noted Nov. 3.

Calif., Los Angeles—MUSEUM—Supervs. Los Angeles Co., Unit 2, Museum of History, Art and Science, 3 and 4 story, 143 x 173 ft., rein.-con. and brick, Exposition Park, to Clinton Constr. Co., 639 South Spring St., $612,800. Noted Oct. 20.

Federal Government Work

Proposed Work

Pa., Phila.—Repairs—U. S. Engineer Office plans repairing floating plant U. S. Dredge "Delaware."

Fla., Pensacola — Compass House and Pigeon Loft—Spec. 5468—Bureau Yards & Docks, Navy Dept., Wash., D. C., cancelled bids to have been opened Dec. 14, compass house and pigeon loft at Naval Air Station, here. Noted Dec. 1.

Tenn., Memphis—Heating System—Constructing Quartermaster rejected bids Oct. 14, heating system, in superintendents lodge at National Cemetery, here. Noted Oct. 6.

Mich., Windmill Point (mail Burch Run) —HOSPITAL—Treas. Dept., at office Supervising Archt., Wash., D. C., had plans prepared 3 story and basement, rein.-con., brick and steel, plain foundation, Jefferson Ave., here. J. A. Wetmore, Wash., D. C., superv. archt.

Texas—Dredging—U. S. Engineer's Office, J. W. Schley, major, Trust Bldg., Galveston, plans improving channels in Sabine River from Sabine to Corpus Christi, $1,476,000; dredging in Galveston Bay channel, $887,500; also dredging and widening channel from Aransas Pass to Corpus Christi, $304,600.

Texas—Dredging—U. S. Engineer Office, Galveston, making surveys deepening and widening channel between Corpus Christi and Port Aransas.

Calif., Mare Island—Refrigerating Equipment—Spec. 5521—Office Pub. Wks. Officer, Navy Yard, plans automatic refrigerating equipment for existing refrigerator at Navy Yard.

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Bids Desired

Mass., Bedford—Deep Well Pumps—Jan. 3, by U. S. Veteran's Bureau, Arlington Bldg., Wash., D. C., three deep well pumps at U. S. Veteran's Hospital, here.

N. Y., Madison Barracks (mail Sacket Harbor)—Sewer—Dec. 22, by Constructing Quartermaster, outfall sewer and manhole.

N. Y., New York—Fire Alarm System—Jan. 3, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., fire alarm system, for U. S. Veterans Hospital 81 (Bronx Boro), here.

N. Y., St. George—Radio-Compasses—Dec. 22, by Supt. Lighthouses, 4 radio-compasses (direction finders) on lighthouse tenders.

D. C., Wash.—Steel Masonry Plates, etc. —Dec. 19, by A. W. Flint, genl. purch. officer Panama Canal, structural steel masonry plates, columns, beams, trusses and braces, ceiling framing and furring channels, Schedule 1846.

Va., Arlington—Water Circulating System—Jan. 4, by Bureau Yards & Docks, Navy Dept., Wash., D. C., water circulating system, at Naval Air Station, here.

N. C., Fort Bragg—Water Supply System —Dec. 27, by Constructing Quartermaster, 19,750 ft. 4- to 6-in. c.i. water pipe, valves, etc. for water supply system at Fort Bragg; adv. E. N.-R., Dec. 15.

Fla., Key West—Remodeling—Dec. 30, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling marine hospital, here.

Ala., Montgomery—Barges—Jan. 3, by U. S. Engineer Office, constructing two 80 ft. creosoted wooden decked barges; adv. E. N.-R. Dec. 15.

Tenn., Memphis—Pontoons, etc.—Jan. 3, by District Engineer Mississippi River Dredging Dist., 80 steel pontoons, and 40 lengths 18 in. steel pontoon pipe; also 18 in. and 20 in. single suction dredging pumps; adv. E. N.-R. Dec. 15.

Tenn., Nashville—Office, etc.—Jan. 4, by Treas. Dept., at office Supervising Archt., Wash., D. C., new office, etc. in west attic wing at U. S. Post Office and Court House, here; adv. E. N.-R. Dec. 15.

Ky., Louisville—Piles—Dec. 17, by U. S. Engineer Office, steel sheet piles, incl. taper piles, 3 and 4 way junction piles, and corner piles.

Ill., Chicago—Lighting Fixtures—Dec. 27, by Treas. Dept., at office Supervising Archt., Wash., D. C., lighting fixtures to U. S. Post Office, here; adv. E. N.-R. Dec. 15.

Ill., Dwight—Refrigerating Plant, etc.—Dec. 29, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., completing refrigerating plant in basement and first stories main building at U. S. Veterans' Hospital 53, here.

Ark., Hot Springs—Barrack—Jan. 5, by Construction Quartermaster, constructing barracks, addition, etc. at Army & Naval General Hospital, Hot Springs Natl. Park, here.

Tex., San Antonio—Bank—Dec. 21, by A. B. and R. M. Ayres, archts., Bedell Bldg., 2 story and basement, 60 x 80 ft., rein.-con., brick and stone, plain foundation, Villita and Navarro Sts., for Federal Reserve Bank, c/o C. C. Walsh, chn., Dallas. Noted Dec. 1.

Wash., Tacoma—Dredging—Dec. 28, by U. S. District Engineer's Office, Burke Bldg., Seattle, dredging 8,500 cu.yd. material from channel entrance city waterway, here. Noted Dec. 1 under "Seattle."

Ore., Salem—Warehouse, etc.—Jan. 5, by U. S. Property & Disbursing Officer, general warehouse, administration building, mess halls, etc., at Camp Clatsop, here.

Calif., Fort Mason (mail San Francisco) —Gasoline and Oil Storage Station—Dec. 21, by Constructing Quartermaster, Fort Mason, gasoline and oil storage station incl. four 9 x 21 ft. steel tanks, pump house, 2 pumps and motors, here. Noted Dec. 1

Alaska, Juneau — Piers — Dec. 31, by U. S. Engineer Office, constructing piers for navigation aids, in Wrangell Narrows, here.

T. H., Pearl Harbor — Oil Purification Plant—Spec. 5517—Feb. 23, by Bureau Yards & Docks, Navy Dept., Wash., D. C., diesel oil purification plant, incl. steel tanks, for oil storage and sludge, motor driven horizontal and vertical centrifugal pumps, motor driven rotary pump, etc.

Bids Received

Pa., Gettysburg—Comfort Station—Constructing Quartermaster, Nov. 30, comfort station, here, from F. A. M. DeGroot, Harrisburg, $7,781 (10 to 150 days).

Del., Bethany Beach—Mess Halls, etc.—U. S. Property & Disbursing Officer, Wilmington, 13 mess halls, 1 administration building, 1 storehouse, 1 power house, etc., here, from S. Pasquale, 9 Stedman St., Boston, Mass., $44,300. Noted Nov. 24.

D. C., Wash.—Excavation, etc.—Treas. Dept., at office Supervising Archt., Dec. 8, excavation, etc., for Agriculture Building, from English Constr. Co., 15 West 91st St., New York City, $77,500. Noted Dec. 1.

D. C., Wash.—Memorial—Pub. Buildings & Pub. Parks, Navy Bldg., 60 x 120 ft. steel and marble memorial building, 17th and E Sts., from C. H. Tompkins & Co., 1612 Park Rd., Vermont marble $539,000, or Georgia marble $539,000. Noted Nov. 3.

W. Va., Williamson—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., Dec. 8, constructing U. S. Post Office and Court House, here, from Virginia Eng. Co., Newport News, Va., $146,648 alt. $3,070. Noted Nov. 10.

Mich., Mt. Clemens—Water Distribution System—Constructing Quartermaster, water distributing system, at Selfridge Field, here, from V. DeKetelaere, 219 North Walnut St., $13,403.

Tex., Fort Sam Houston (sta. San Antonio)—Barracks—A. W. Parker, Quartermasters Corp., Fort Sam Houston, Dec. 7, infantry and regimental barracks, from Walsh & Burney, 928 North Flores St., San Antonio, $283,330 and $200,803 respectively; and from D. D. Thomas, 463 North Dunlap St., Memphis, Tenn., $283,000 and $200,000 respectively. Noted Nov. 3.

Wash., Ellensburg — Earthwork, etc. — Bureau Reclamation, E. Mead, comr., Dec. 6, Schedule 1, Kittitas High Line Canal, from Meyers Co., Portland, Ore., $217,030; Schedule 2, from General Constr. Co., Spokane Savings & Loan Bldg., Spokane, $128,230; Schedule 3, from Rumsey & Jordon, Seattle, $284,884; and Schedule 4, from Utah Constr. Co., McIntyre Bldg., Salt Lake City, Utah, $144,935. Noted Nov. 10.

Calif., San Diego—Distributing System—Spec. 5497—Bureau Yards & Docks, Navy Dept., Wash., D. C., Dec. 7, distribution system, at Naval Operating Base (Hospital), here, from H. Lawson, 465 Tehama St., San Francisco, $40,320. Noted Nov. 24.

Contracts Awarded

Me., Caribou—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., U. S. Post Office, here, to English Constr. Co., 15 West 91st St., New York City, $54,600. Noted Nov. 24.

Mass., Boston — Garage — Treas. Dept., at office Supervising Archt., Wash., D. C., 3 story, 115 x 300 ft., rein.-con. and steel, plain foundation, at U. S. Post Office, Ipswich St., to C. W. Hanson, 41 Maiden Lane, New York City, $61,500. Noted Oct. 24.

Mass., Camp Devens—Barracks—Constructing Quartermaster, 1 infantry battalion and 1 infantry regimental barracks, here, to Van Asdlen Constr. Co., Inc., Stock Exch. Bldg., Phila., Pa., $459,846, add heating $44,160. Noted Dec. 8.

N. Y., Brooklyn — Sprinkler System — Spec. 5418—Bureau Yards & Docks, Navy Dept., Wash., D. C., extending sprinkler system, at Navy Yard, here, to H. G. Vogel Co., 15 West 37th St., New York City, $3,488. Noted Nov. 17.

N. Y., New York—Garage—Treas. Dept., at office Supervising Archt., Wash., D. C., constructing garage at U. S. Quarantine Station, here, to W. D. Moore's Son, 554 67th St., Brooklyn, $10,191. Noted Dec. 1.

N. J., Lakehurst—Mooring Mast—Spec. 5510—Bureau Yards & Docks, Navy Dept., Wash., D. C., mobile mooring mast at Naval Air Station, here, to Tippett & Wood, Inc., 162 Howard St., Phillipsburg, $27,850. Noted Dec. 1.

Fla., Pensacola—Fill—Spec. 5539—Bureau Yards & Docks, Navy Dept., Wash., D. C., fill at Naval Air Station, here, to Thompson & Meseley, Box 2043, Tampa, at $0.19 per cu.yd. Estimated cost $5,700.

Ala., Montgomery—Quarters—Constructing Quartermaster, Maxwell Field, 13 noncommissioned officers quarters and utilities at Maxwell Field, here, to Jeffers Bros., 207½ Dexter Ave., $59,750. Noted Oct. 20.

La., New Orleans—Levee—U. S. Engineer Office, Vick Crevasse Levee, in Saline Levee Dist., to McWilliams Co., Inc., Carondolet Bldg., $43,662.

Tenn., Johnson City—Remodeling—Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here, to C. Weitz sons, 713 Mulberry St., Des Moines, Ia., $16,749. Noted Dec. 1.

Ark., Hot Springs—Steam Distribution System — Constructing Quartermaster, Army and Navy General Hospital, outside distribution system of heating system, to J. L. Powers, Bennettsville, S. C., $16,900. Noted Nov. 24.

T. H., Pearl Harbor—Generating Plant Equipment, etc. — Spec. 5481 — Bureau

Federal Government Work (Continued)

Yards & Docks, Navy Dept., Wash., D. C., steam generating plant equipment and piping at Submarine Base, here, to Grace Bros. & Co., P. O. Box 78, Honolulu, $18,-990. Noted Dec. 1.

T. H., **Pearl Harbor** — Refrigerating Plant—Spec. 5482—Bureau Yards & Docks, Navy Dept., Wash., D. C., refrigerating plant at Naval Operating Base (Submarine Base), here, to Von Hamm-Young Co. Ltd., P. O. Box 2630, Honolulu, $14,175 (90 days). Noted Dec. 1.

Unclassified

Proposed Work

Playstead and Stadium—Boston, Mass.—City, Park Dept., 33 Beacon St., W. P. Long, chn., plans enlarging playstead and stadium, 2,500 seating capacity, etc. in meadow behind of Fine Arts, Back Bay Dist. To exceed $25,000.

Stadium—Brighton (Boston P. O.), **Mass.**—Harvard Athletic Assn., W. J. Bingham, dir., 399 Harvard St., Cambridge, had preliminary sketches made by G. Haddon, 607 5th Ave., New York City, concrete and timber addition, 26,000 seating capacity. $25,000. Engineer not selected.

Comfort Station—Dorchester (br. Boston), **Mass.**—City of Boston, Park Dept., 33 Beacon St., plans concrete comfort station in Town Field. $50,000. W. P. Long, chn. Park Dept.

Stadium—Lowell, Mass.—Lowell Post 87, American Legion, J. M. Dineen, commander, plans stadium. $25,000 or more. Engineer and architect not selected.

Golf Course—Shrewsbury, Mass.—Hillswold Club, Inc., W. E. Stiles, pres., plans 36 hole golf course. Cherry St. Section. $25,000 or more. Stiles & Van Kleek, 97 Newbury St., Boston, archts.

Grade Crossings—New York—Pub. Serv. Comm. of New York, Albany, plans eliminating 203 grade crossings in 51 counties, outside of Greater New York, during 1928. $30,867,700.

Grade Crossing Elimination—New York—New York Transit Comm., 270 Madison Ave., New York City, plans eliminating grade crossing over Long Island R.R. tracks, at Corona $1,000,000, Springfield $1,400,000, St. Albans $600,000, and Rockaway Park to Arverne $7,000,000; and over New York Central R.R. tracks at West 79th St. $250,000, West 96th St. $350,000, and West 158th St. $280,000, in New York City. Grand total $10,780,000.

Parks, etc.—Woodbury, N. J.—Plans 5 parks and lakes. $50,000. J. O. Carter, 48 Cooper St., engr.

Baseball Park—Akron, O.—Akron Central League Baseball Club, c/o Osborn Eng. Co., archts. and engrs., 7016 Euclid Ave., Cleveland, having preliminary plans prepared 1 story, steel baseball park, here.

Docks—East Chicago, Ind.—W. G. Hogan, Natl. Terminals Co., 240 South Pennsylvania St., Indianapolis, making preliminary plans giant docks along the Indiana Harbor Canal in Calumet Dist. $2,000,000. Private plans.

Pier—Muskegon, Mich.—West Michigan Core Sand Co. plans timber and pile pier with conveyors, 60 ft. piling, for loading sand. $150,000. R. Love, Union Bank Bldg., engr.

Swimming Pool — Grosse Ile, Mich.—Owner, c/o H. F. Stanton, archt., 2231 Park Ave., Detroit, having plans prepared 36 x 72 ft. rein.-con. swimming pool, with 1 and 2 story concrete and limestone building. $30,000.

Docks, etc.—Burlington, Ia.—City Clerk takes bids about Jan. 10, timber dock, 100 x 170 ft. fireproof dock house, 5,000 ft. double track railroad, escalator, and 50 x 215 ft. steel wharf barge. $220,000. W. F. Schultz Eng. Co., Shrine Bldg., Memphis, Tenn., engrs. Noted Nov. 24.

Turbine Generator—Alexandria, Minn.—City H. S. Campbell, clk., plans one 750 kw. turbine generator, condenser and 10 ton traveling crane, etc. in power plant addition. $50,000.

Tourist Camp—San Antonio, Tex.—Hot Wells Tourist Park Co., c/o C. Dubose, 102 East Huisache St., purchased site and plans tourist center, incl. water, sewers and buildings, etc., at Hot Wells, on south side city. $100,000.

Swimming Pool—Cushing, Okla. — City making preliminary plans swimming pool. $30,000. G. Estey, Cushing, engr.

Traffic Control System—Oklahoma City, Okla.—Voted $50,000 bonds, traffic control system. M. Peshek, city clk.

Under Pass, etc. — Shawnee, Okla. — Made preliminary plans new under pass and viaduct at Santa Fe R.R. crossing in east section city, $45,000. E. T. Archer & Co., 612 New England Bldg., Kansas City, Mo., consult. engrs.

Swimming Pool, etc.—Bakersfield, Calif.—Kern Co., F. E. Smith, clk., plans swimming pool, landscape work, etc. at Kern River Park. To exceed $25,000.

Lighting System—Berkeley, Calif.—Plans extending lighting system in various streets. $25,000. F. B. Rae, city electrical engr.

Stadium—Berkeley, Calif. — Regents of University of California, making estimates enlarging California Memorial Stadium, approximately 27,500 seating capacity.

Lighting System—Oakland, Calif.—City plans approximately 30 mi. lighting system on downtown streets. $1,000,000 or more. G. N. Randle, city engr.

Airport—San Diego, Calif.—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Lumber Terminal—San Francisco, Calif.—State Bd. Harbor Comrs., Ferry Bldg., plans wharves, docks, etc. for lumber terminal. To exceed $250,000. F. G. White, Ferry Bldg., engr.

Pier—San Francisco, Calif.—California State Bd. Harbor Comrs., Ferry Bldg., had plans prepared 360 x 700 ft. pier, concrete pile and deck apron of creosoted pikes, Channel St. $1,000,000. F. G. White, Ferry Bldg., engr.

Stadium — San Francisco, Calif — City and San Francisco Co., making estimates enlarging Kezar Stadium, 25,000 seating capacity. To exceed $25,000. M. M. O'Shaughnessy, city engr.

Transit Shed, Wharf, etc.—San Pedro, Calif.—Harbor Comn., plans 120 x 256 ft. steel transit shed with 80 x 195 ft. wharf addition, Berth 174; also removing old wharf, timbers, and old piles, placing new creosoted piles, new concrete footings, and new frame deck, etc., Berth 90. G. F. Nicholson, Berth 90, engr.

Elevators and Terminals — Canada — Western Canada Grain Pool, Winnipeg, Man., plans 100 elevators and terminals in Alberta, 150 in Saskatchewan, and 40 in Manitoba. $5,000,000.

Bids Desired

Athletic Field—Brooklyn, N. Y.—Dec. 21, by C. E. Dobbin, acting supt. School Buildings, Flatbush Ave. extension and Concord St., general contract Boy's High School Athletic Field and grand stand, Maple St. from Troy to Schenectady Aves., for Bd. Educ., 500 Park Ave., New York City. Former bids rejected. Noted Oct. 27.

Subway—Brooklyn, N. Y.—Dec. 30, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, constructing Sect. 11, Route 107, under and along Manhattan Ave. from Nassau Ave. to Green St., here.

Borings — Buffalo, N. Y. — Dec. 20, by A. E. Smith, governor and chn. State Office Site & Building Comn., Capitol, Albany, test borings for state office building, here; adv., E. N.-R. Dec. 15. Noted Mar. 17 under "Buildings—Commercial."

Hangar — Buffalo, N. Y. — Dec. 20, by J. P. Moore, comr. Dept. Parks & Pub. Buildings, City and County Hall, Hangars 4 and 5, and boiler plant, all brick, at Buffalo Airport, Genesee St. and Cayuga Rd.

Station Finish—Phila., Pa.—Dec. 21, by Dept. City Transit, H. E. Ehlers, dir., 1211 Chestnut St., finish for City Hall Station, Broad Street Subway, Contr. 180.

Field House—Wash., D. C.—Dec. 19, by District Comrs., District Bldg., field house, at Virginia Ave. Playground.

Oil Pipe Line—Illinois, Missouri, Texas and Oklahoma—See "Contracts Awarded."

Gas Pipe Line—Texas—See "Contracts Awarded."

Natural Gas Pipe Line—Texas—Southern Gas Co., c/o Frost Bldg., San Antonio, taking bids 109 mi. 10 in. gas pipe line from New Braunfels to Austin and loop around Austin. $600,000. Private plans.

Rolling Doors—Oakland, Calif.—G. B. Hegardt, city port mgr., taking new bids 62 steel rolling doors for pier shed. Former bids rejected.

Stadium—Sacramento, Calif.—Trustees Sacramento Jr. College Dist., taking bids rein.-con. stadium, on campus. Dean & Dean, California State Life Bldg., archts. Noted June 30.

Dry Dock—Esquimalt, B. C.—Jan. 3, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., constructing Esquimalt Dry Dock, Nanaimo Dist., here. $150,000.

Contracts Awarded

Arena — Hartford, Conn. — Hartford Auditorium, Inc., George Geran Hotel Bond, 2 story, 200 x 325 ft., brick, steel and rein.-con., 10,000 seating capacity, Stoningston St., to Austin Co., 120 Bway., New York City. Archts. est. $400,000.

Pier—Baltimore, Md.—J. E. Greiner Co., engrs., Lexington Bldg., substructure 216 x 873 ft. pier, McComas St., to Merritt, Chapman & Scott, 17 Battery Pl., New York City, N. Y. $896,150. Noted Nov. 10.

Oil Pipe Line—Illinois, Missouri, Oklahoma and Texas—Ozark Pipe Line Corp., Shell Bldg., St. Louis, Mo., will construct 10 in. oil line from Chicago, Ill. to Cushing, Okla., replacing 6 in. with 10 in. line from Cushing to Healdton, Okla. and new 10 in. line from Healdton, Okla. through North and Central West Texas to Pecos fields, and install pumping stations about every 100 mi., by own forces. Private plans.

Coke Ovens, etc.—Duluth, Minn.—Zenith Furnace Co., foot 58th Ave., 41 coke ovens, to Koppers Co., Union Trust Bldg., Pittsburgh, Pa.; and two 10 ton coal handling bridges, to Industrial Brownhoist Co., 4403 St. Clair Ave., Cleveland, O.

Culverts, etc.—Hays, Kan.—Ellis Co., 15.713 mi. culvert and 4 bridges on U. S. 40-S, Project 59, to T. Jacobs, Hays, $11,533 and $12,279 respectively.

Gas Pipe Line—Texas—Galveston Gas Co., 2422 D St., Galveston, will build 8 mi. 8 in. gas pipe line from Texas City Junction to Galveston. $40,000. Private plans.

Lighting System — Santa Ana, Calif. — Ornamental lighting system, on portion Bway., to Walker & Martin, 4215 South Western Ave., Los Angeles, $26,590.

Wharf—Sydney, N. S.—Dept. Pub. Wks., Ottawa, Ont., wharf, here, to Cooke Constr. Corp., 10 Cathcart St., Montreal, Que., $59,755.

Materials

Bids Desired

Granite—Dorchester (sta. Boston), **Mass.**—Dec. 22, by Transit Dept., 1 Beacon St., Boston, granite for entrance and exit building, Ashmont Sta., Dorchester Rapid Transit, here. $5,000.

Sewer Pipe—Providence, R. I.—Dec. 19, by Bd. Contr. & Supplies, various sized sewer pipe and special castings.

Paving Blocks—New York, N. Y.—Dec. 19, by P. J. Dooling, comr. Purchase, Municipal Bldg., granite and creosoted wood paving blocks to Dept. Plant & Structures.

Cable—Newark, N. J.—Dec. 17, by W. J. Brennan, dir. Pub. Safety, City Hall, approximately 42,875 ft. (more or less) No. 14 multi conductor rubber, lead-covered fire alarm cable.

Track Bolts, Spikes, Tie Plates, etc.—Phila., Pa.—Dec. 23, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., West Phila., track bolts, spikes, tie plates, etc. Contr. 131-1927; compromised joints and guard rail clamps, Contr. 132-1927; boiler tubes, Contr. 133-1927; and axles, Contr. 134-1927.

Pipe—Baltimore, Md.—Dec. 21, by Bd. Awards, 150,000 lb. ¾ in. and 25,000 lb. 1 in. copper pipe to Bureau Water Supply. E. G. Rost, City Hall, water engr.

Concrete Sand, etc.—New Orleans, La.—Sewerage & Water Bd., 526 Carondelet St., taking bids 4,000 cu.yd. concrete sand, $4,000; 8,000 cu.yd. washed gravel, $12,000; and 10,000 lb. cement, $18,000. G. G. Earl, 526 Carondelet St., engr.

Piling—Minneapolis, Minn.—Dec. 23, by F. S. Gram, city purch. agt., 1,000 pieces 24-30 ft. piling for Dept. Sewers. N. W. Elsberg, city engr.

Posts and Cable—Tipton, Okla.—City in market 12 "White Way" posts and 2,500 ft. armored cable. G. R. Phelps, mayor.

Pipe, etc. — Santa Ana, Calif. — E. L. Vegely, city clk., taking bids and opens same about Dec. 20, 3,900 ft. 8 in. and 1,000 ft. 6 in. c.i. pipe, gate valves, etc.

Contracts Awarded

Maintenance Materials — Oregon — State Hy. Comn., Salem, maintenance materials for California Highway, Wasco Co., to J. W. and J. R. Hillstrom, Marshfield, $41,-950; and for John Day Highway, Gilliam and Wheeler Counties, to H. E. Schmeer, Portland, $43,831.

See proposal advertising on page 120

Constr. News page 305

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Keen Competition for Interesting Supplementary Sewer Contract in New Jersey

Section IV of the supplementary joint trunk sewer being constructed in Union and Essex Counties, N. J., 4 mi. long and of pre-cast concrete 30- to 42-in., has just been awarded for $209,380.10.

In general the supplementary sewer (20 mi. and 12- to 81-in.) parallels an existing sewer built in 1903. Its purpose is to supplement the capacity of the old one, so that the combined capacity will meet the needs of the tributary area of the following municipalities until 1950: City of East Orange; Township of Hillside; Town of Irvington; Township of Maplewood; Township of Millburn; City of Newark; Borough of Roselle Park; Village of South Orange; City of Summit; Township of Union and Town of West Orange; Union and Essex Counties.

The supplementary sewer is designed to carry 100,000,000 gal. of sewage per day, with the sewer running 0.7 full, which capacity is regarded as sufficient for a population of 350,000. The point of discharge is in the Arthur Kill near Elizabeth, N. J.

In general the trunk sewer consists of a main stem, extending from Summit southwesterly through Elizabeth to the outlet, and two branches. One branch runs northeasterly through Irvington toward East Orange and Newark, and the other northeasterly through Maplewood and South Orange to West Orange.

The construction of the supplementary sewer is divided into five separate sections. Section V, the branch through Irvington to East Orange and Newark, has been under construction since July, 1927. Section III, that portion of the main stem which connects Sections IV and V has been under construction since August, 1927.

Special Features of Section IV that Affect Cost

Section IV, located in the valley of the East Branch of the Rahway River, has several features that are interesting because of their effect on construction cost. One of these is the location of the sewer with respect to the river. For considerable part of its length, it is close to the river, below the river bed, and crosses under it at three different places.

Another feature is the construction of the sewer through a golf course in Maplewood. In order to secure a right-of-way from the golf club it was necessary to incorporate in the specifications the most stringent requirements as to the handling of the work during construction, and the restoration of the golf course after the sewer was finished. One of these requirements was that the work should be done during the winter months, when it would interfere least with the use of the course.

(*Concluded on page 306a*)

	A	B	C	D	E	F	G	H	I
300 cu.yd. Class "A" rock excav., depth 0-10 ft.	$7.00	$6.00	$5.00	$4.50	$6.50	$5.00	$8.00	$4.00	$6.00
600 cu.yd. Class "A" rock excav., depth more than 10 ft.	8.00	7.00	6.00	5.00	7.00	6.00	10.00	5.50	10.00
300 cu.yd. Class "B" rock excav., depth 0-10 ft.	6.00	5.50	5.00	4.50	5.00	3.00	3.00	3.50	4.00
400 cu.yd. Class "B" rock excav., depth more than 10 ft.	7.00	7.00	6.00	5.50	5.50	4.00	3.50	4.00	5.00
3,500 cu.yd. Class "C" quicksand, depth 0-10 ft.	5.50	5.00	4.50	5.00	5.50	6.00	6.00	4.00	9.00
200 cu.yd. Class "C" quicksand, depth more than 10 ft.	7.00	8.00	6.00	8.00	7.00	8.00	7.00	6.00	12.00
27,700 cu.yd. Class "D" earth excav., depth 0-10 ft.	1.00	1.00	2.20	0.90	1.50	1.50	2.00	2.12	4.50
1,700 cu.yd. Class "D" earth excav., depth more than 10 ft.	2.00	4.00	3.00	2.25	2.50	3.00	5.00	3.50	5.00
800 cu.yd. embankment	2.00	3.00	0.75	1.50	3.00	3.00	2.00	1.50	1.00
8,000 lin.ft. underdrains	0.25	0.50	0.35	0.25	0.20	0.50	0.25	1.75	0.30
110 M ft. B.M. untreated timber	60.00	40.00	35.00	75.00	80.00	40.00	100.00	75.00	50.00
5 M ft. B.M. creosoted timber	150.00	200.00	150.00	75.00	200.00	200.00	125.00	125.00	100.00
3,500 sq.yd. temporary pavements	0.50	1.00	0.50	0.90	0.80	1.50	2.00	1.75	0.60
1,000 sq.ft. sidewalks	0.30	0.40	0.25	0.30	0.30	0.30	0.25	0.30	0.30
50 cu.yd. class "B" conc.	20.00	30.00	18.00	15.00	17.00	25.00	20.00	20.00	18.00
300 cu.yd. Class "C" conc.	15.00	20.00	13.00	12.00	16.00	20.00	15.00	18.00	16.00
300 cu.yd. Class "D" conc.	12.00	15.00	12.00	12.00	15.00	15.00	13.00	15.00	15.00
3,000 lb. steel reinforcement	0.10	0.10	0.06	0.10	0.07	0.08	0.10	0.10	0.06
2,600 lin.ft. 42 in. sewer, 0-8 ft. deep	5.93	6.00	5.80	7.50	6.25	6.00	6.00	6.50	8.00
550 lin.ft. 42 in. sewer, 8-12 ft. deep	5.93	6.25	6.00	8.50	6.25	6.25	7.00	6.75	8.50
400 lin.ft. 42 in. sewer, 12-16 ft. deep	5.93	6.50	6.25	10.50	6.50	7.00	7.00	7.00	10.00
840 lin.ft. 36 in. sewer, 0- 8 ft. deep	4.80	5.00	4.50	5.50	5.00	5.25	4.50	6.00	7.50
270 lin.ft. 36 in. sewer, 8-12 ft. deep	4.80	5.50	4.75	7.00	5.50	6.00	5.00	6.25	8.00
5,510 lin.ft. 33 in. sewer, 0- 8 ft. deep	4.45	4.00	4.00	6.25	4.50	4.50	4.00	4.75	7.00
2,270 lin.ft. 33 in. sewer, 8-12 ft. deep	4.45	4.25	4.25	6.50	4.50	4.75	4.00	5.00	7.30
140 lin.ft. 33 in. sewer, 12-16 ft. deep	4.45	4.50	4.45	7.50	4.50	5.50	5.00	5.25	7.50
70 lin.ft. 33 in. sewer, 16-20 ft. deep	4.45	5.00	4.75	8.00	4.75	6.50	5.00	5.50	8.00
120 lin.ft. 33 in. sewer, 20-24 ft. deep	4.45	5.50	5.00	9.00	4.75	7.00	6.00	5.75	9.00
100 lin.ft. 33 in. sewer, 24-28 ft. deep	4.45	6.00	5.50	11.00	5.00	7.00	10.00	6.00	10.00
570 lin.ft. 30 in. sewer, 0- 8 ft. deep	3.73	3.50	3.50	4.00	3.50	3.70	4.00	4.25	4.50
4,410 lin.ft. 30 in. sewer, 8-12 ft. deep	3.73	3.75	3.70	4.00	3.75	3.80	4.00	4.40	5.00
1,090 lin.ft. 30 in. sewer, 12-16 ft. deep	3.73	4.00	3.85	7.00	4.00	4.00	4.00	4.75	5.50
60 manholes, depth 0-10 ft.	100.00	100.00	95.00	110.00	100.00	100.00	100.00	100.00	100.00
35 ft. extra depth of manholes	20.00	20.00	15.00	20.00	15.00	20.00	20.00	10.00	6.00
10 ft. drop manholes	15.00	10.00	10.00	20.00	25.00	15.00	20.00	10.00	15.00
3 recording gage manholes	200.00	250.00	100.00	275.00	175.00	300.00	200.00	125.00	200.00
25 lock manhole covers	25.00	5.00	6.00	25.00	15.00	10.00	25.00	5.00	25.00
2 junction manholes	500.00	200.00	300.00	500.00	175.00	1,000.00	350.00	150.00	50.00
50 tee branches	2.00	5.00	3.50	10.00	6.00	5.00	15.00	3.00	5.00
175,000 sq.ft. bituminous coating	0.05	0.05	0.04	0.02	0.04	0.06	0.05	0.05	0.10
500 cu.yd. broken stone	8.00	7.00	5.50	5.00	7.00	5.00	4.00	5.00	3.50
36 lin.ft. 42 in. Class "A" cast iron pipe	22.00	25.00	20.00	30.00	21.00	25.00	15.00	15.00	25.00
384 lin.ft. 36 in. Class "A" cast iron pipe	17.00	20.00	18.00	20.00	18.00	20.00	10.00	12.00	23.00
72 lin.ft. 30 in. Class "A" cast iron pipe	15.00	15.00	15.00	20.00	18.00	17.50	10.00	10.00	16.00
50 cu.yd. rubble masonry	20.00	25.00	12.00	20.00	12.00	25.00	8.00	18.00	12.00
50 cu.yd. rip rap	15.00	12.00	12.00	10.00	6.00	20.00	8.00	15.00	11.00
700 cu.yd. top soil	3.00	3.00	1.00	1.25	4.00	2.50	2.00	4.00	2.00
8,000 sq.yd. seeding	0.10	0.25	0.45	0.25	0.50	0.50	0.05	0.10	0.50
300 sq.yd. restoring roadway	3.00	2.00	0.50	2.00	2.50	3.00	2.00	2.25	2.50
300 sq.yd. restoring parking area	3.00	2.00	1.00	2.00	2.50	3.00	2.00	2.25	2.00
300 sq.yd. restoring tennis courts	3.00	2.00	0.40	1.00	2.00	2.00	5.00	1.50	1.00
Restoring Maplewood Club Property (lump sum)	500.00	500.00	500.00	1,000.00	3,000.00	2,000.00	8,000.00	1,000.00	5,000.00
Totals	$209,380	$214,667	$225,396	$228,222	$232,056	$241,116	$253,450	$258,668	$379,975

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UNIT PRICES Continued on Page 306a

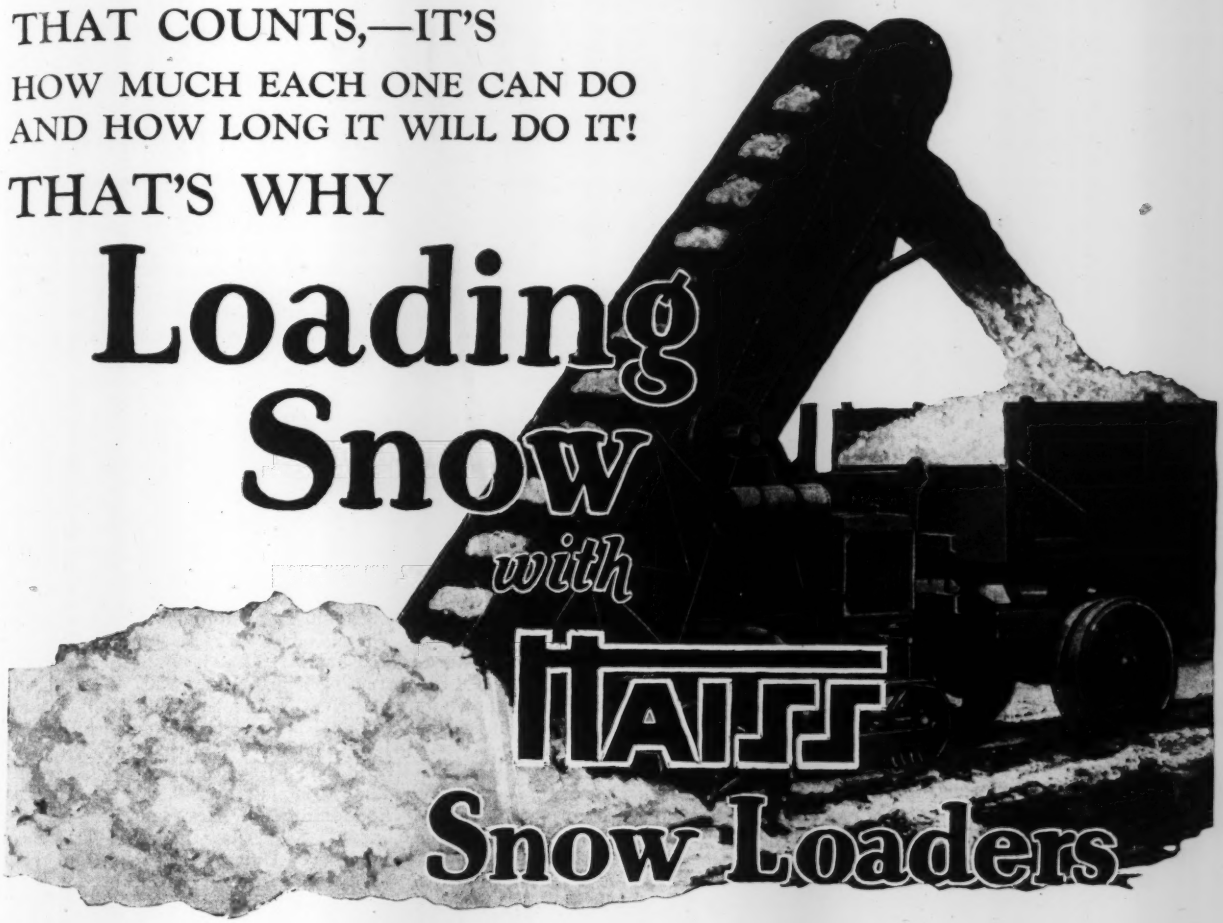
IT ISN'T THE NUMBER OF LOADERS

THAT COUNTS,—IT'S

HOW MUCH EACH ONE CAN DO AND HOW LONG IT WILL DO IT!

THAT'S WHY

Loading Snow with HAISS Snow Loaders



IS SO MUCH FASTER AND MORE CERTAIN!

TRACTION — DIGGING POWER — CAPACITY—You must have all three for successful snow loading. And for practical economy you must have a machine of low upkeep.

TRACTION! DIGGING POWER! A Haiss Snow Loader doesn't shimmy at the snow pile. Its balanced weight — all massive strength—is put on sure-footed creeper treads that hold their ground and make the revolving propellers cut, dig, and chop into the toughest snowbank in the city.

CAPACITY! And a Haiss Snow Loader, with its slow speed, continuous crowding, never jumps away from the truck it's loading. The HAISS Self-Feeding Propellers will drive an enormous amount of snow right into the digging teeth of the big, high conveyor flights. THAT MEANS MORE TRUCK LOADS PER HOUR!

LOW UPKEEP! No flimsy, wabbly plaything, this Haiss Snow Loader, it's a "HE-MAN" machine that will load upward of 10 yards of snow per minute and keep at it all day long. Yet it's as easy to run as an automobile.

THAT MEANS FULL LOADS IN LESS TIME!

It will pay you to investigate the Haiss Snow Loader—the difference is obvious enough to make you marvel at its ability—even if you "know" snow loaders.

GEORGE HAISS MANUFACTURING CO., Inc.

140th Street and Rider Avenue NEW YORK, N. Y.

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

(Continued from page 306)

A third item which would be reflected materially in the cost of the work was the location of the supplementary joint trunk sewer with respect to the existing one. For about 80 per cent of the length of the new sewer, it is parallel to the old one, with from 9 to 12 ft. between the center lines of the two sewers. Moreover, the bottom of the new sewer is about one foot below that of the old one.

Comparison of Bids

That there was keen competition among the contractors for this work is evidenced by the fact that fifteen proposals were received, and that the spread between the lowest and eighth from lowest was only 24 per cent. A comparison of the bids submitted shows the following relationship:

Bid	Amount	Per Cent of Low Bid
Low bid	$209,380	100
Average of lowest five bids	221,945	106
Average of the 15 bids	271,620	130
High bid	379,975	180

By class A rock excavation in the tabulation of bids is meant rock which can only be removed by blasting or other method of similar difficulty and expense. Class B rock excavation includes rock more easily removed and masonry. It is expected that, of the total excavation for Section IV, about 4 per cent will be rock, 11 per cent quicksand and remaining 85 per cent ordinary earth.

The sewers are to be reinforced concrete pipe, constructed of class A concrete of the proportion 1:1½:2½. The purpose of this rich mix was to secure a more impervious and durable concrete for the sewer. As a further precaution, the pipe is to be lined with a bituminous coating (Barrett's Protector or equal) in order to protect the concrete from the effect of the acids in the sewer gases.

The classes of concrete listed in the tabulation of bids are: B 1:2:4; C 1:3:5; D 1:3:6.

Method of Construction

It is the plan of the Paulsen Construction Corp., New York, to whom the contract was awarded, to pursue the work right through the winter.

A portion of the work is through open territory, in which it is expected that frost will appear first and become deepest. Part of this is through the golf course. The contractor will undertake this portion at once so as to have it completed before severe weather arrives. Along another portion there is a growth of underbrush and small trees. Here, it is expected, the first snowfall that blankets the ground will be kept in place by the underbrush and keep the frost from striking very deeply into the ground. So the contractor will do this portion during the more severe winter months, when unable to work on the rest of the line.

The bidders are (A) Paulsen Construction Corp., 21 East 40th St., New York; (B) Pizzimenti Bros., 154 Madison Pl., Ridgewood; (C) R. F. Relly Contracting Co., 1459 Bushkill St., Easton, Pa.; (D) J. R. & M. C. Fusco, Inc., & Peter Scola, 11a Oxford St., Montclair, N. J.; (E) D. & M. Contracting Co., 2261 Millburn Ave., Maplewood; (F) Martin & Miller, Pitman; (G) Angelo Fastiggi, 62 Chestnut St., Montclair; (H) R. D. Thomas & Co., 7121 Jenkins Arcade, Pittsburgh; (I) J. F. Murphy Contracting Co., Inc., 236 West 116th St., New York; Spiniello Construction Co., 493 Monroe St., Orange, $276,108; P. D'Amato, 680 Broadway, Newark, $285,156; J. Cestone, 5 Cloverhill Pl., Montclair, $290,393; Pittsburgh Foundation Co., Keystone Bldg., Pittsburgh, $296,970; D. W. Davis & Sons, 19 Union St., Kingston, Pa., $306,882; Rosoff Bros., Inc., 1014 Gates Ave., Brooklyn, N. Y., $375,863. The unit bids of the eight lowest and highest bidders are given in the table on the preceding page.

Big Dalton Dam, Los Angeles County; 26,000 Cu.Yd. Excavation; 38,270 Cu.Yd. Concrete; 6,000 Tons Reinforcing

Ten contractors submitted bids ranging from $381,194 to $532,005, or 40 per cent, for constructing a reinforced concrete dam on Big Dalton Creek, Los Angeles Flood Control District. Double wall buttress multiple arch type, maximum height 165 ft., approximate length at crest 500 ft. County will furnish steel and cement.

The bidders are: (A) H. W. Rohl, 806 Roosevelt Bldg., (awarded contract); (B) Thomas Kelly & Son; (C) McDonald & Kahn; (D) Edwards, Wildey & Dixon; (E) Claude Fisher; (F) Lynch-Cannon Engineering Co.; (G) Bent Bros.; (H) W. A. Bechtel Co.; (I) Utah Construction Co.; (J) C. R. Ross Construction Co. The unit bids are as follows:

	A	B	C	D	E	F	G	H	I	J
6,500 cu.yd. excav. (class A)	$6.00	$6.00	$6.98	$7.00	$3.10	$5.65	$4.50	$5.00	$5.50	$5.00
19,500 cu.yd. excav. (class U)	2.50	3.50	3.15	2.65	3.10	3.50	3.50	3.50	3.00	4.00
10,470 cu.yd. conc. (class A)	8.00	7.10	10.25	11.00	10.25	10.00	10.00	9.00	11.00	10.50
12,000 cu.yd. conc. (class B)	5.80	7.10	8.27	8.85	8.40	8.90	10.00	9.00	11.00	9.75
15,800 cu.yd. conc. (class C)	5.80	6.50	6.05	5.45	7.75	7.00	7.20	9.00	7.00	9.50
1,200,000 lb. placing reinf. steel in trash racks	.015	.015	.0175	.015	.0175	.01	.0175	0.15	.015	.01
2,800 lin.ft. drilling grout holes up to 30 ft. depth	2.00	2.00	2.00	1.50	2.00	2.00	1.00	1.25	2.00	2.00
2,800 lin.ft. drilling grout holes up to 50 ft. depth	3.00	3.00	2.25	2.00	2.00	3.00	3.00	2.50	2.50	3.00
130 holes fitting pressure pipes in grout holes	2.00	10.00	10.00	3.00	1.00	3.00	1.00	3.00	2.00	1.00
500 cu.yd. pressure grouting	30.00	40.00	20.00	30.00	20.00	5.00	30.00	22.50	25.00	30.00
50,000 lb. placing outlet pipes	.01	.03	.015	.03	.0175	.02	.02	.03	.03	.02
60,000 lb. placing gates and valves	.01	.03	.015	.03	.0175	.0225	.02	.03	.03	.025
840 lin.ft. placing iron pipe hand rail	.10	1.00	.50	.50	.50	1.25	.50	.75	1.00	1.00
	$381,194	$426,927	$449,212	$451,565	$455,842	$459,365	$485,910	$489,250	$499,520	$532,005

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